

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW110118\
 Data File : VW006526.D
 Acq On : 31 Oct 2018 15:18
 Operator : SY/AP
 Sample : VW1101SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1101SBSD01

Manual Integrations
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 11/1/2018 1:37:14 PM

Quant Time: Oct 31 16:34:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 18 17:01:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	249006	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	348250	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	315599	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	178752	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	92320	44.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.44%	
35) Dibromofluoromethane	7.88	113	100852	49.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.02%	
50) Toluene-d8	10.33	98	369152	47.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.30%	
62) 4-Bromofluorobenzene	12.62	95	142052	48.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.62%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	21146	17.161	ug/l	98
3) Chloromethane	2.21	50	29044	18.311	ug/l	99
4) Vinyl Chloride	2.37	62	45074	19.899	ug/l	98
5) Bromomethane	2.79	94	38210	18.546	ug/l	97
6) Chloroethane	2.93	64	32350	19.928	ug/l	96
7) Trichlorofluoromethane	3.26	101	41779	19.799	ug/l	100
8) Diethyl Ether	3.68	74	23180	20.669	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	49685	22.467	ug/l	98
10) Methyl Iodide	4.27	142	80733	21.934	ug/l	98
11) Tert butyl alcohol	5.24	59	13649	98.308	ug/l #	83
12) 1,1-Dichloroethene	4.03	96	45854	22.040	ug/l	97
13) Acrolein	3.90	56	12170	90.587	ug/l	89
14) Allyl chloride	4.67	41	59027	19.842	ug/l	97
15) Acrylonitrile	5.38	53	43746	108.755	ug/l	99
16) Acetone	4.14	43	49798	120.937	ug/l	99
17) Carbon Disulfide	4.38	76	111764	17.799	ug/l	99
18) Methyl Acetate	4.68	43	22443	21.603	ug/l	97
19) Methyl tert-butyl Ether	5.43	73	68594	21.646	ug/l	100
20) Methylene Chloride	4.92	84	55864	24.753	ug/l	94
21) trans-1,2-Dichloroethene	5.42	96	50963	21.945	ug/l	99
22) Diisopropyl ether	6.32	45	126349	21.493	ug/l	96
23) Vinyl Acetate	6.26	43	345380	99.552	ug/l	98
24) 1,1-Dichloroethane	6.21	63	85027	22.415	ug/l	99
25) 2-Butanone	7.18	43	63540	113.933	ug/l	96
26) 2,2-Dichloropropane	7.17	77	57847	21.622	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	58983	23.016	ug/l	97
28) Bromochloromethane	7.52	49	25950	17.720	ug/l	88
29) Tetrahydrofuran	7.54	42	34033	99.279	ug/l	97
30) Chloroform	7.68	83	95510	23.110	ug/l	100
31) Cyclohexane	7.95	56	73862	19.553	ug/l	94
32) 1,1,1-Trichloroethane	7.87	97	81909	21.971	ug/l	99
36) 1,1-Dichloropropene	8.09	75	72527	22.595	ug/l	100
37) Ethyl Acetate	7.26	43	24073	20.185	ug/l	95
38) Carbon Tetrachloride	8.07	117	76919	21.859	ug/l	97

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Quant Time: Oct 31 16:34:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 18 17:01:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	90896	21.303	ug/l	98
40) Benzene	8.32	78	202317	22.978	ug/l	98
41) Methacrylonitrile	7.49	41	13608	18.928	ug/l #	85
42) 1,2-Dichloroethane	8.40	62	57456	22.210	ug/l	98
43) Isopropyl Acetate	8.43	43	48703	19.973	ug/l	97
44) Trichloroethene	9.09	130	63232	23.408	ug/l	97
45) 1,2-Dichloropropane	9.37	63	48288	22.918	ug/l	98
46) Dibromomethane	9.46	93	27462	22.868	ug/l	96
47) Bromodichloromethane	9.65	83	64231	22.061	ug/l	99
48) Methyl methacrylate	9.44	41	22828	19.750	ug/l	91
49) 1,4-Dioxane	9.48	88	8144	440.525	ug/l #	98
51) 4-Methyl-2-Pentanone	10.21	43	127032	103.976	ug/l	97
52) Toluene	10.39	92	137308	23.260	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	62423	21.520	ug/l	98
54) cis-1,3-Dichloropropene	10.08	75	74022	22.234	ug/l	93
55) 1,1,2-Trichloroethane	10.79	97	40134	23.882	ug/l	98
56) Ethyl methacrylate	10.65	69	44433	21.568	ug/l	92
57) 1,3-Dichloropropane	10.93	76	64053	23.025	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	84437	107.262	ug/l	97
59) 2-Hexanone	10.98	43	95291	109.263	ug/l	97
60) Dibromochloromethane	11.13	129	47304	22.599	ug/l	99
61) 1,2-Dibromoethane	11.24	107	39276	23.391	ug/l	99
64) Tetrachloroethene	10.87	164	57731	23.564	ug/l	97
65) Chlorobenzene	11.66	112	160846	23.808	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	56532	23.546	ug/l	99
67) Ethyl Benzene	11.74	91	272091	23.239	ug/l	100
68) m/p-Xylenes	11.84	106	216262	46.731	ug/l	98
69) o-Xylene	12.17	106	103692	23.511	ug/l	96
70) Styrene	12.18	104	164384	22.920	ug/l	98
71) Bromoform	12.35	173	28127	21.003	ug/l #	97
73) Isopropylbenzene	12.47	105	289018	22.887	ug/l	99
74) N-amyl acetate	12.28	43	47602	19.408	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.72	83	44152	22.987	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	34161m	25.021	ug/l	
77) Bromobenzene	12.75	156	73004	23.602	ug/l	96
78) n-propylbenzene	12.81	91	335425	22.831	ug/l	99
79) 2-Chlorotoluene	12.90	91	188892	22.883	ug/l	98
80) 1,3,5-Trimethylbenzene	12.95	105	243566	22.879	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	11044	19.336	ug/l	97
82) 4-Chlorotoluene	12.99	91	199349	23.054	ug/l	100
83) tert-Butylbenzene	13.21	119	219581	23.053	ug/l	96
84) 1,2,4-Trimethylbenzene	13.26	105	248663	23.083	ug/l	99
85) sec-Butylbenzene	13.39	105	309248	22.982	ug/l	99
86) p-Isopropyltoluene	13.51	119	279539	22.967	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	144651	23.499	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	144583	23.590	ug/l	100
89) n-Butylbenzene	13.83	91	251747	22.617	ug/l	99
90) Hexachloroethane	14.10	117	43777	21.234	ug/l	96
91) 1,2-Dichlorobenzene	13.88	146	129959	23.668	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	6602	19.198	ug/l	88

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ClientSampleId :
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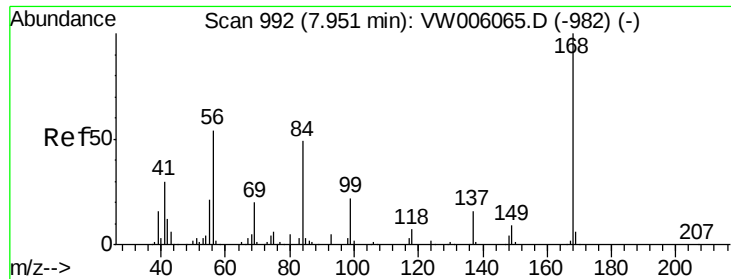
Manual Integrations
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Quant Time: Oct 31 16:34:57 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 18 17:01:24 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	97668	23.117	ug/l	99
94) Hexachlorobutadiene	15.24	225	63504	23.927	ug/l	100
95) Naphthalene	15.38	128	154431	21.973	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	85352	23.356	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW006526.D

Acq: 31 Oct 2018 15:18

Instrument :

MSVOA_W

ClientSampleId :

VW1101SBSD01

Tot Ion:168 Resp: 249006

Ion Ratio Lower Upper

168 100

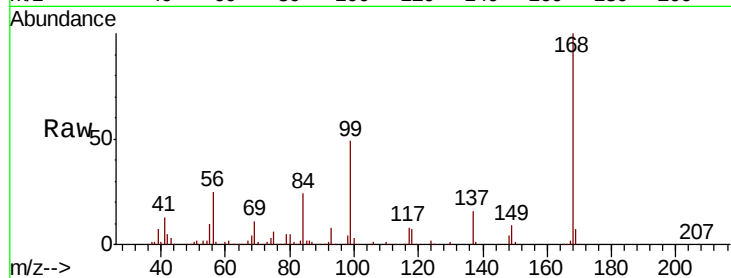
99 49.5 39.9 59.9

Manual Integrations

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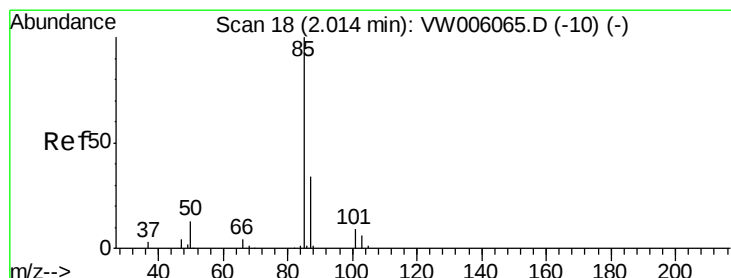
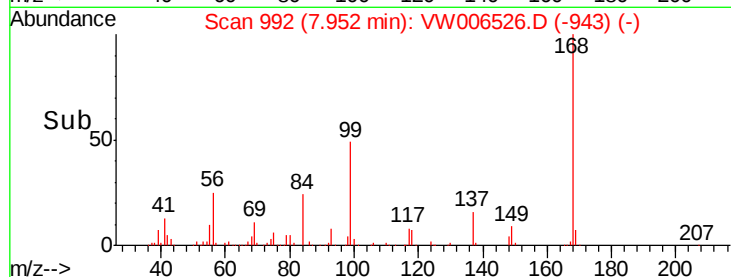
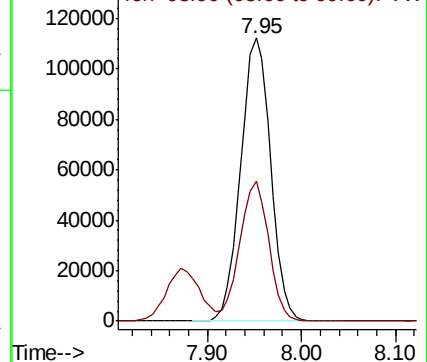
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 17.161 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW006526.D

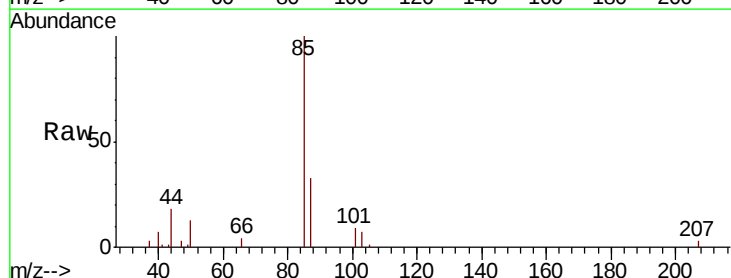
Acq: 31 Oct 2018 15:18

Tgt Ion: 85 Resp: 21146

Ion Ratio Lower Upper

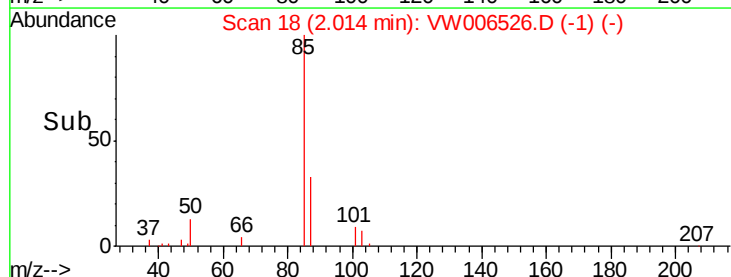
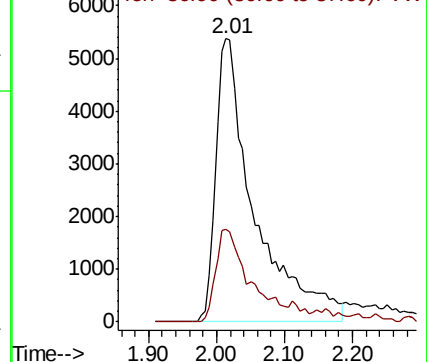
85 100

87 32.5 16.9 50.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 18.311 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW006526.D

Acq: 31 Oct 2018 15:18

Instrument :

MSVOA_W

ClientSampleId :

VW1101SBS01

Tot Ion: 50 Resp: 29044

Ion Ratio Lower Upper

50 100

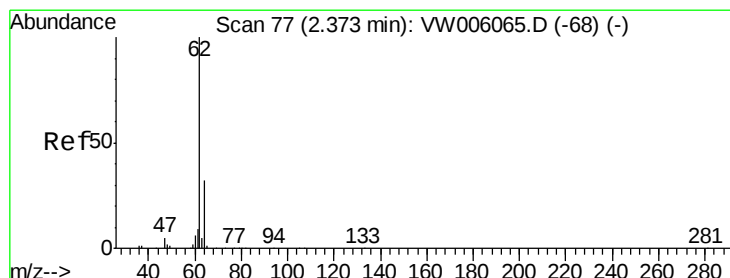
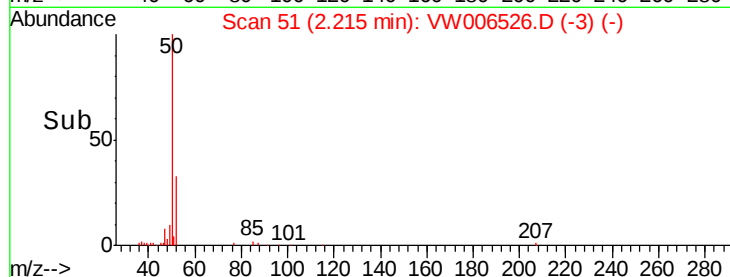
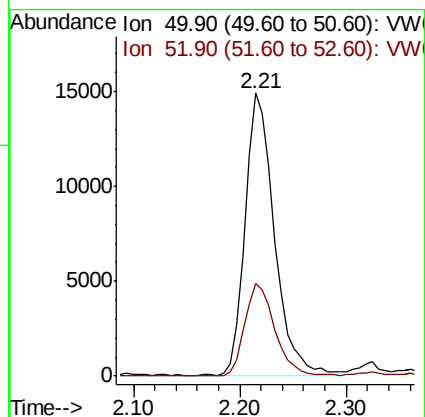
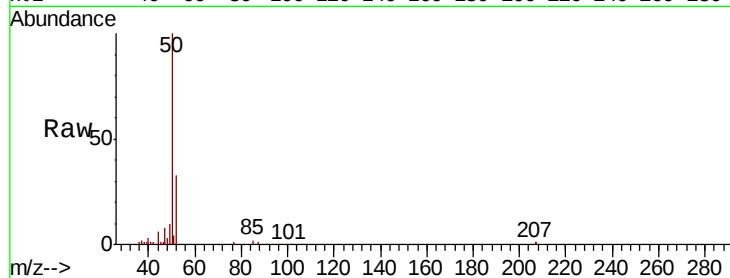
52 32.7 26.8 40.2

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#4

Vinyl Chloride

Concen: 19.899 ug/l

RT: 2.37 min Scan# 77

Delta R.T. 0.00 min

Lab File: VW006526.D

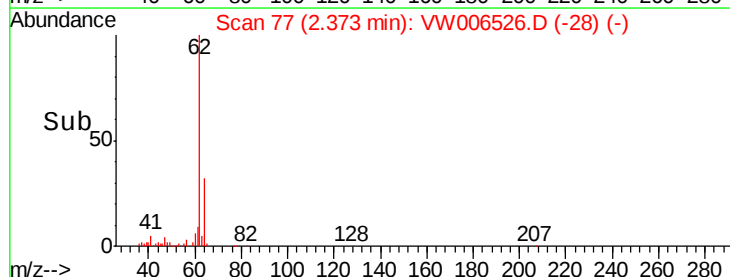
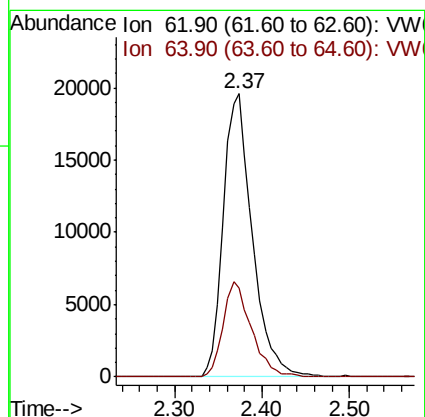
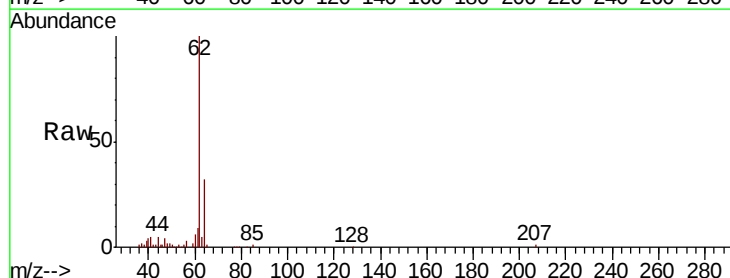
Acq: 31 Oct 2018 15:18

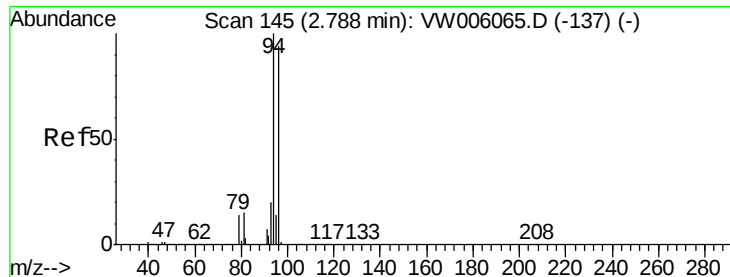
Tgt Ion: 62 Resp: 45074

Ion Ratio Lower Upper

62 100

64 31.5 25.9 38.9





#5

Bromomethane

Concen: 18.546 ug/l

RT: 2.79 min Scan# 145

Delta R.T. 0.00 min

Lab File: VW006526.D

Acq: 31 Oct 2018 15:18

Instrument :

MSVOA_W

ClientSampleId :

VW1101SBSD01

Tot Ion: 94 Resp: 38210

Ion Ratio Lower Upper

94 100

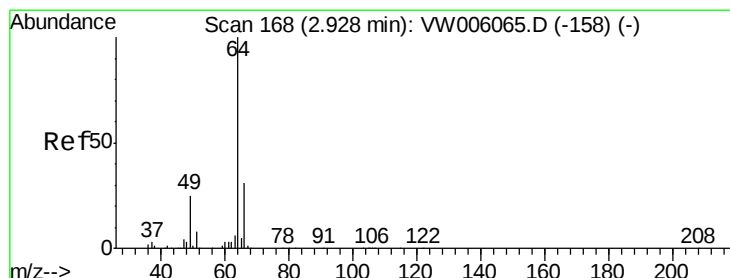
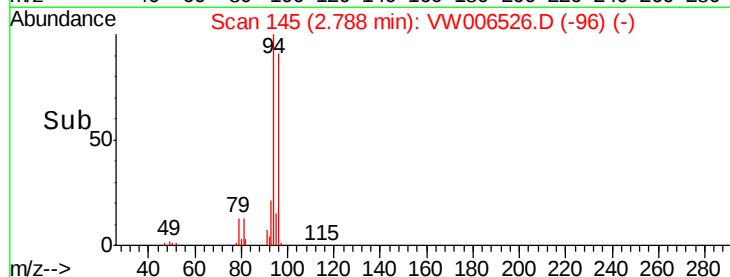
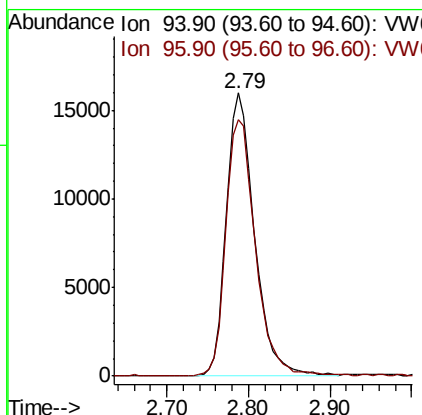
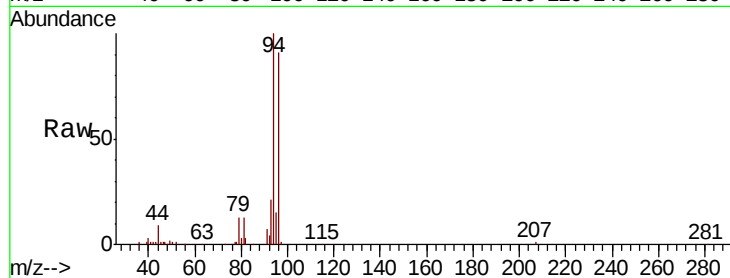
96 90.8 74.9 112.3

Manual Integrations

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#6

Chloroethane

Concen: 19.928 ug/l

RT: 2.93 min Scan# 169

Delta R.T. 0.01 min

Lab File: VW006526.D

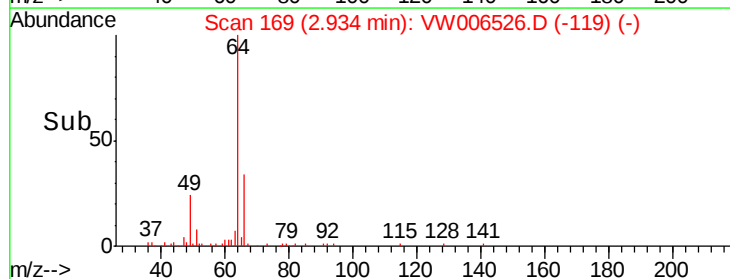
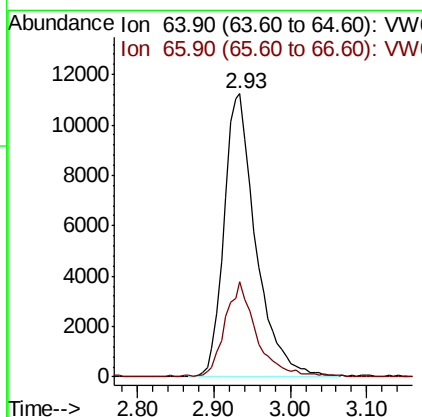
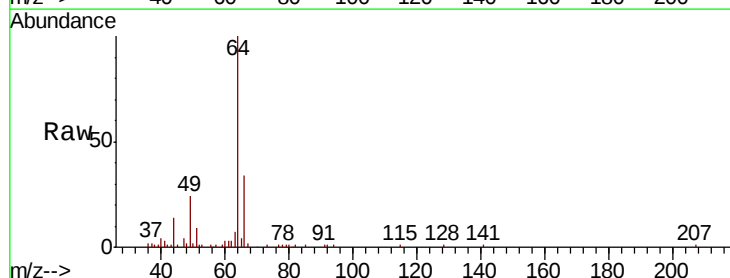
Acq: 31 Oct 2018 15:18

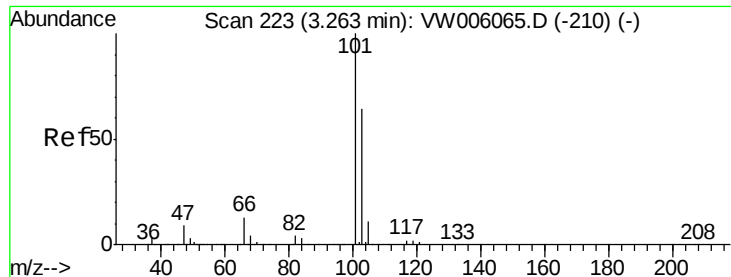
Tgt Ion: 64 Resp: 32350

Ion Ratio Lower Upper

64 100

66 33.2 24.9 37.3





#7

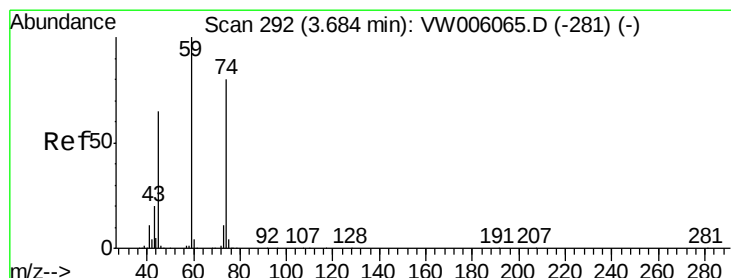
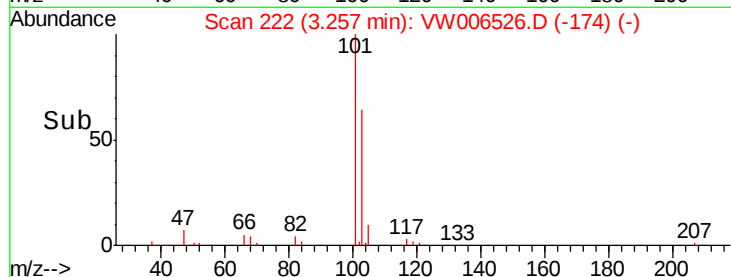
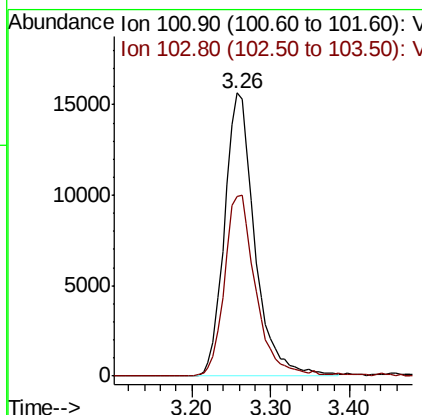
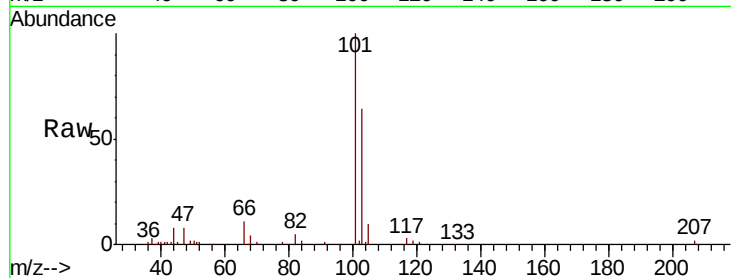
Trichlorofluoromethane
Concen: 19.799 ug/l
RT: 3.26 min Scan# 222
Delta R.T. -0.01 min
Lab File: VW006526.D
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ClientSampleId :
VW1101SBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.7	51.2	76.8

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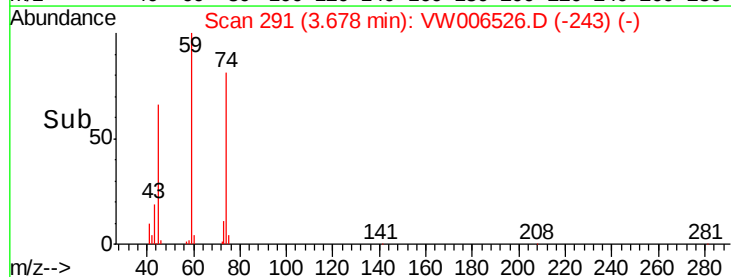
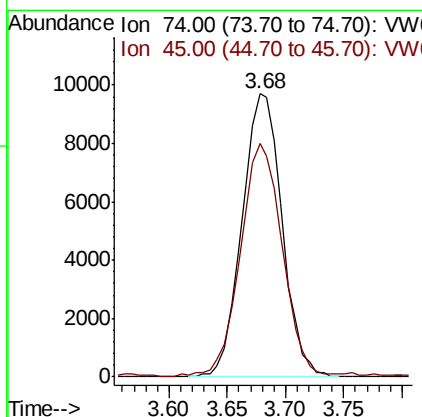
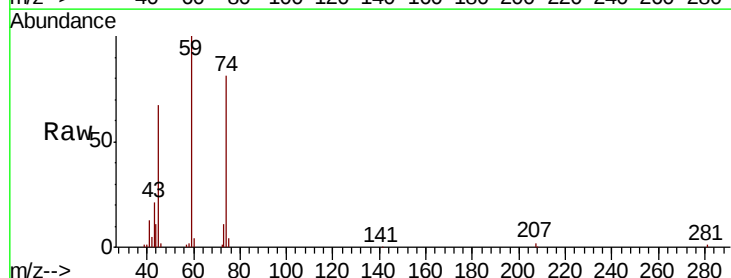
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11/1/2018 1:37:14 PM



#8

Diethyl Ether
Concen: 20.669 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.01 min
Lab File: VW006526.D
Acq: 31 Oct 2018 15:18

Tgt Ion	Ratio	Lower	Upper
74	100		
45	86.7	42.8	128.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.467 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW006526.D

Acq: 31 Oct 2018 15:18

Instrument :

MSVOA_W

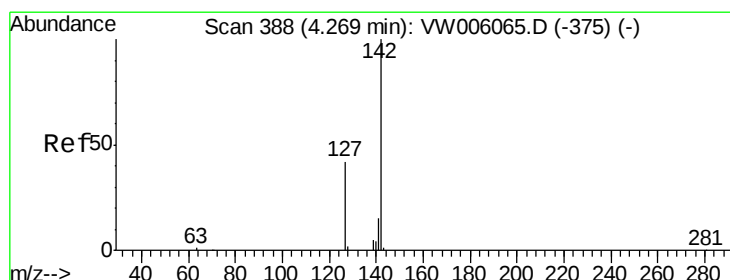
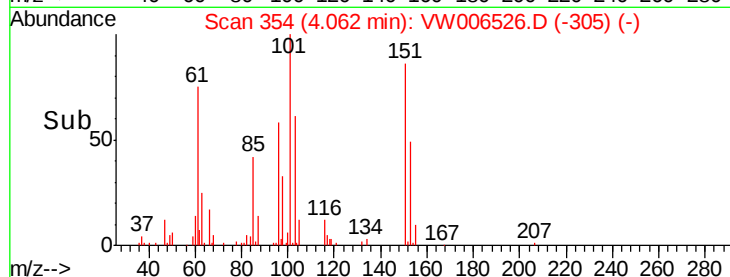
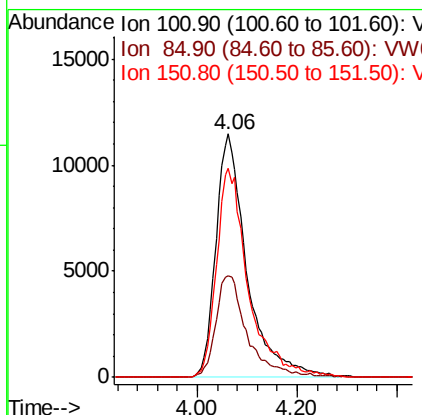
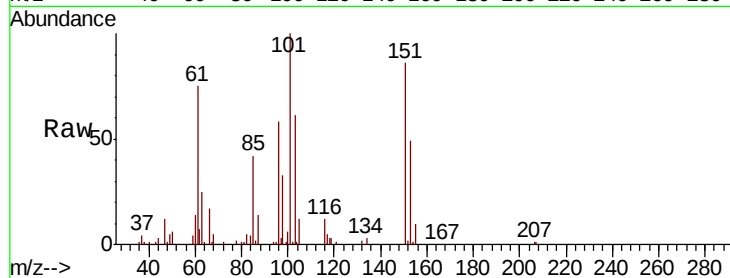
ClientSampleId :

VW1101SBSD01

Tot Ion:	101	Resp:	49685
Ion Ratio	Lower	Upper	
101	100		
85	41.2	34.9	52.3
151	86.5	70.4	105.6

Manual Integrations
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#10

Methyl Iodide

Concen: 21.934 ug/l

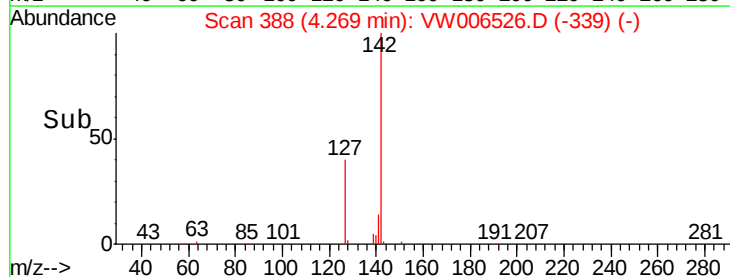
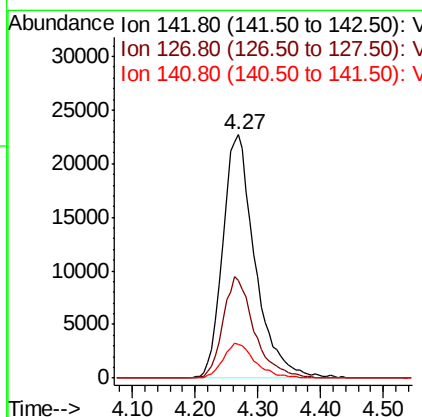
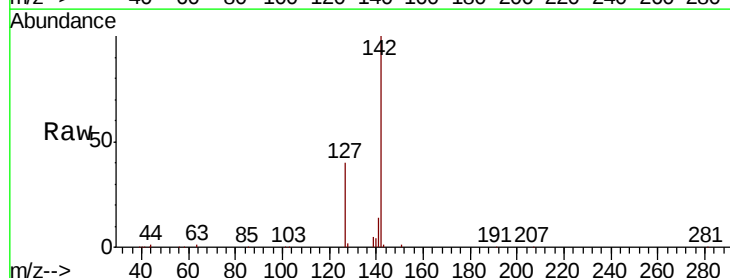
RT: 4.27 min Scan# 388

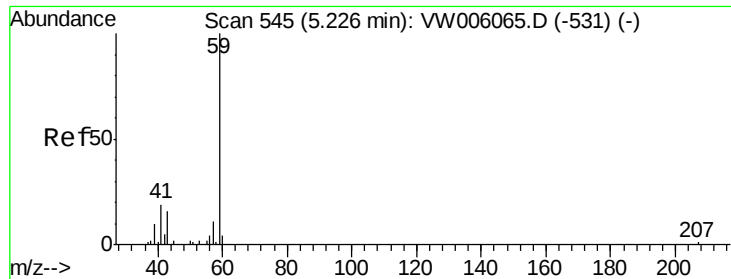
Delta R.T. 0.00 min

Lab File: VW006526.D

Acq: 31 Oct 2018 15:18

Tgt Ion:	142	Resp:	80733
Ion Ratio	Lower	Upper	
142	100		
127	40.4	33.6	50.4
141	14.2	11.6	17.4





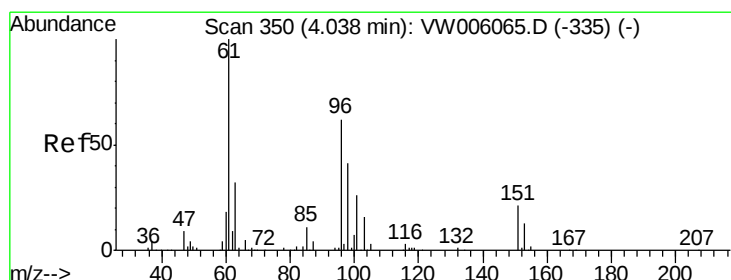
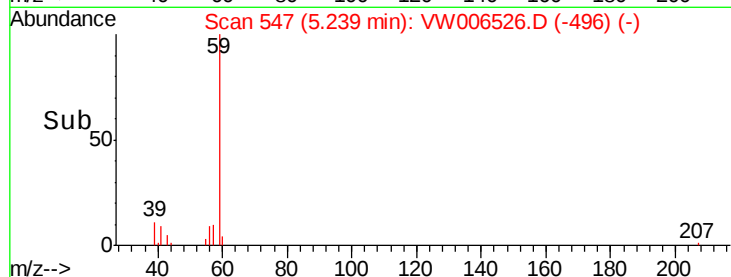
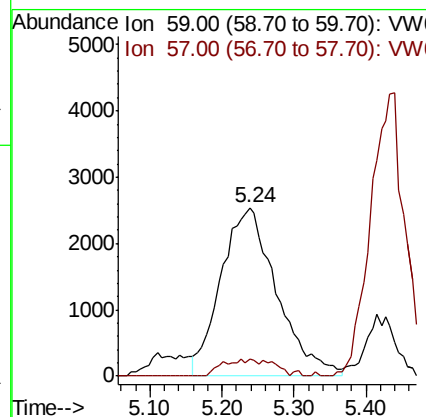
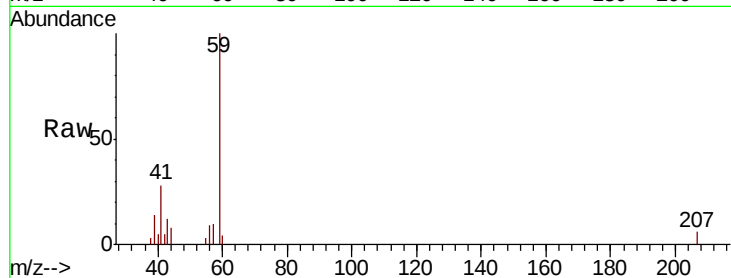
#11
Tert butyl alcohol
Concen: 98.308 ug/l
RT: 5.24 min Scan# 547
Delta R.T. 0.01 min
Lab File: VW006526.D
Acq: 31 Oct 2018 15:18

Instrument :
MSVOA_W
ClientSampleId :
VW1101SBS01

Tot Ion	59	Resp	13649
Ion Ratio	100	Lower	Upper
57	4.4	8.7	13.1#

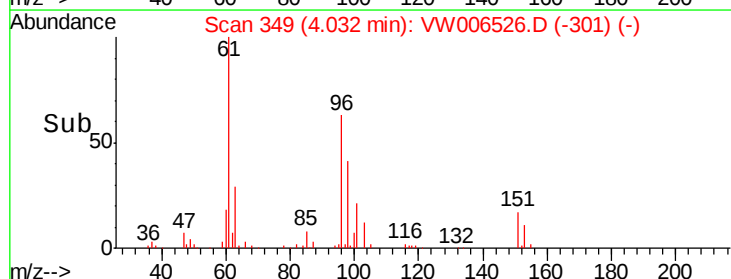
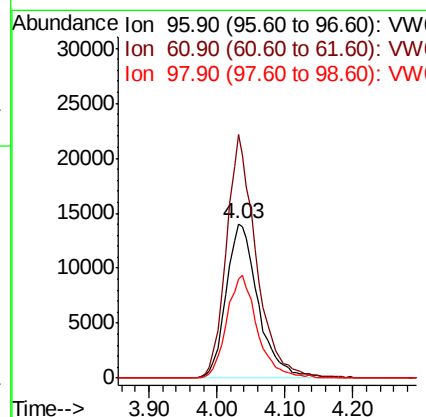
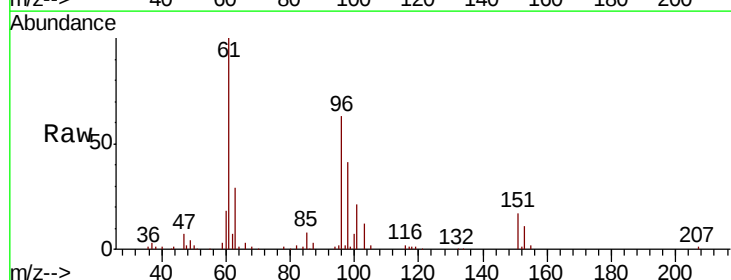
Manual Integrations
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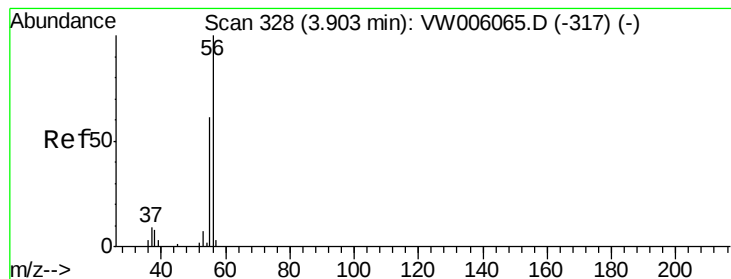
MMDadoda
11/1/2018 1:37:14 PM



#12
1,1-Dichloroethene
Concen: 22.040 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW006526.D
Acq: 31 Oct 2018 15:18

Tgt Ion	96	Resp	45854
Ion Ratio	100	Lower	Upper
61	157.8	129.3	193.9
98	64.3	53.1	79.7





#13

Acrolein

Concen: 90.587 ug/l

RT: 3.90 min Scan# 327

Delta R.T. -0.01 min

Lab File: VW006526.D

Acq: 31 Oct 2018 15:18

Instrument :

MSVOA_W

ClientSampleId :

VW1101SBSD01

Tot Ion: 56 Resp: 12170

Ion Ratio Lower Upper

56 100

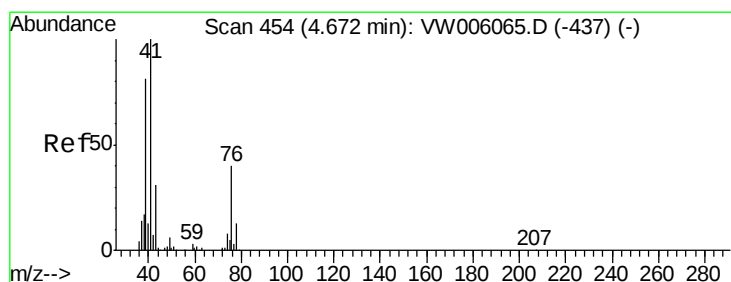
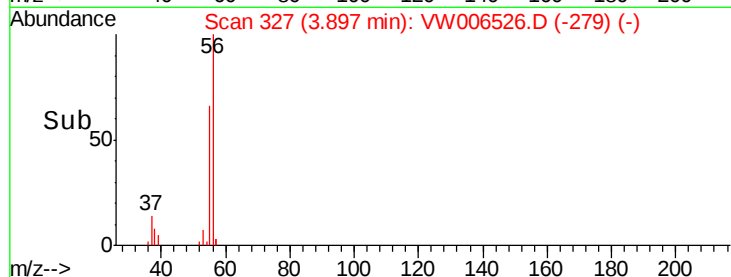
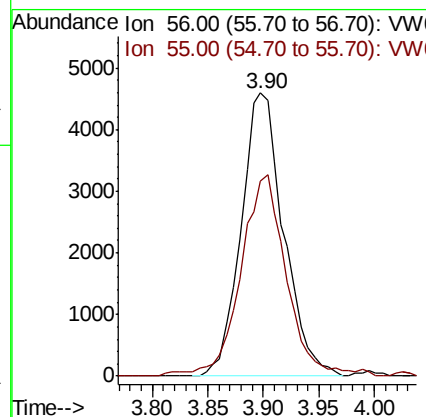
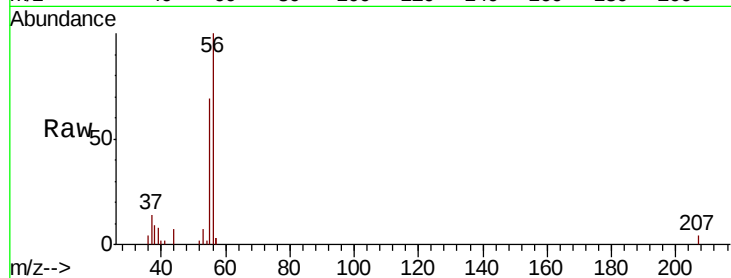
55 76.6 54.5 81.7

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#14

Allyl chloride

Concen: 19.842 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW006526.D

Acq: 31 Oct 2018 15:18

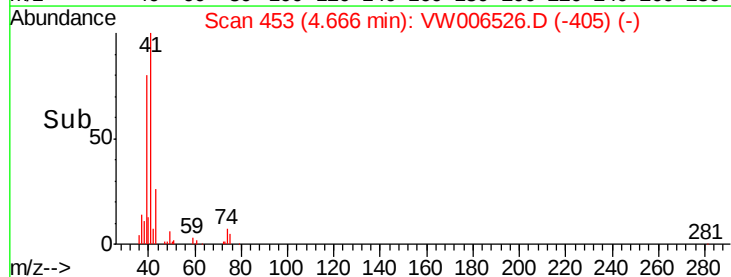
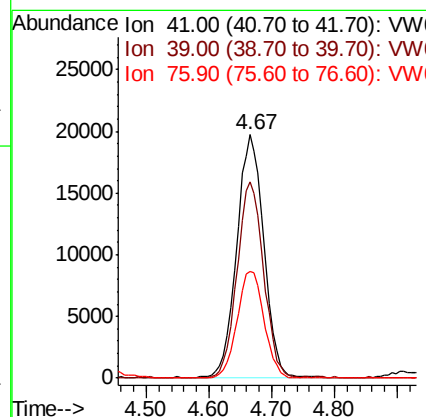
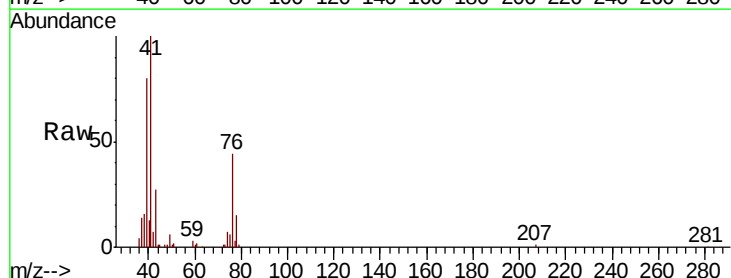
Tgt Ion: 41 Resp: 59027

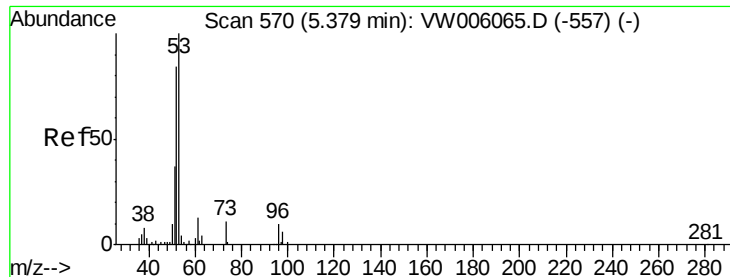
Ion Ratio Lower Upper

41 100

39 78.8 64.1 96.1

76 43.6 32.2 48.4





#15

Acrylonitrile

Concen: 108.755 ug/l

RT: 5.38 min Scan# 571

Delta R.T. 0.01 min

Lab File: VW006526.D

Acq: 31 Oct 2018 15:18

Instrument :

MSVOA_W

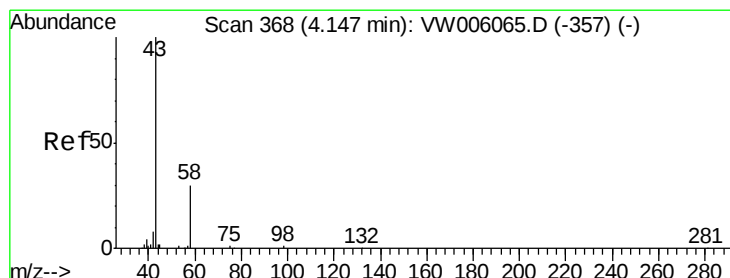
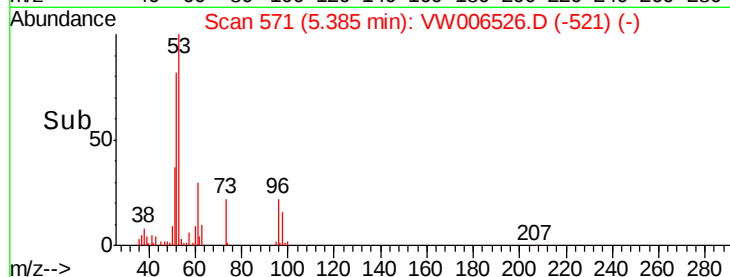
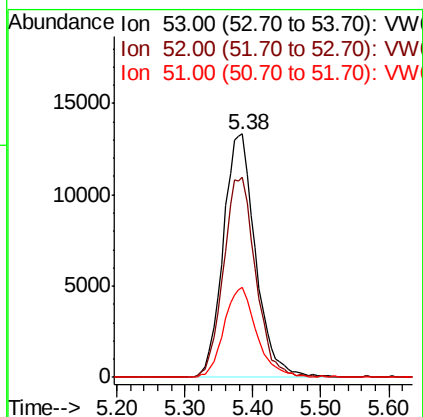
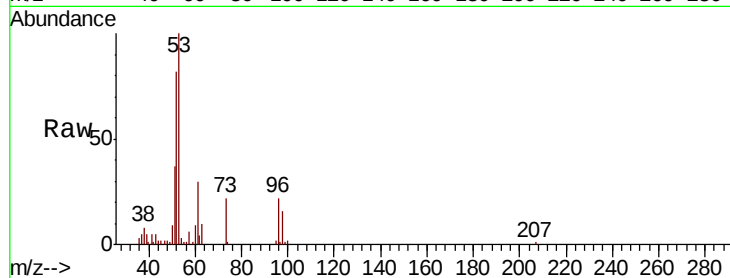
ClientSampled :

VW1101SBS01

Tot Ion:	53	Resp:	43746
Ion Ratio	Lower	Upper	
53	100		
52	82.0	66.9	100.3
51	37.3	30.1	45.1

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#16

Acetone

Concen: 120.937 ug/l

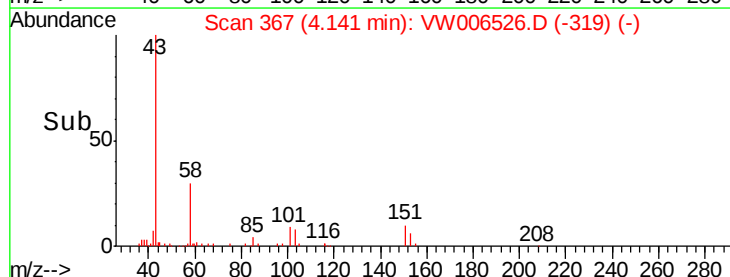
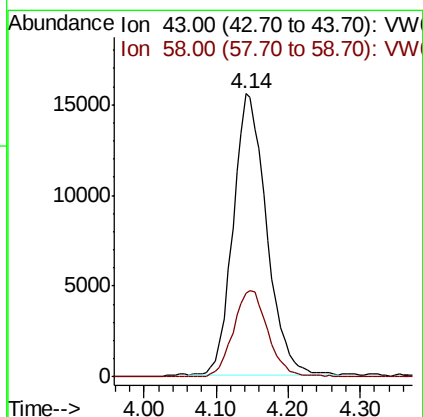
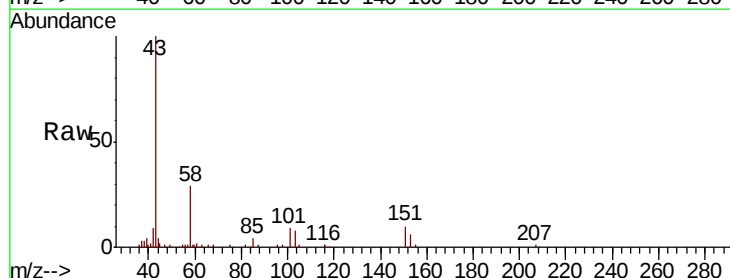
RT: 4.14 min Scan# 367

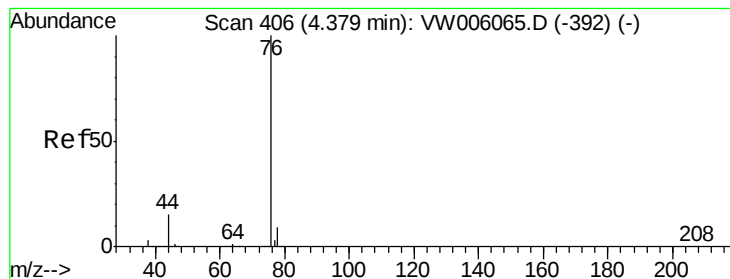
Delta R.T. -0.01 min

Lab File: VW006526.D

Acq: 31 Oct 2018 15:18

Tgt Ion:	43	Resp:	49798
Ion Ratio	Lower	Upper	
43	100		
58	29.6	24.0	36.0





#17

Carbon Disulfide

Concen: 17.799 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW006526.D

Acq: 31 Oct 2018 15:18

Instrument :

MSVOA_W

ClientSampleId :

VW1101SBSD01

Tot Ion: 76 Resp: 111764

Ion Ratio Lower Upper

76 100

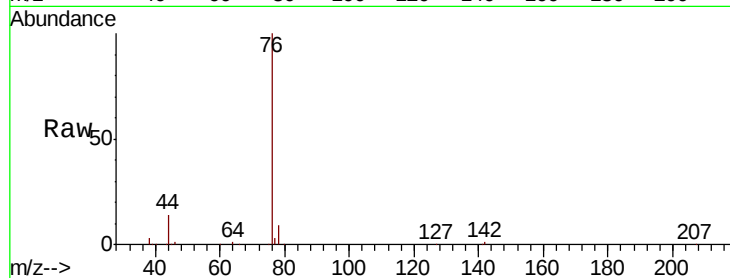
78 9.0 7.5 11.3

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Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

40000

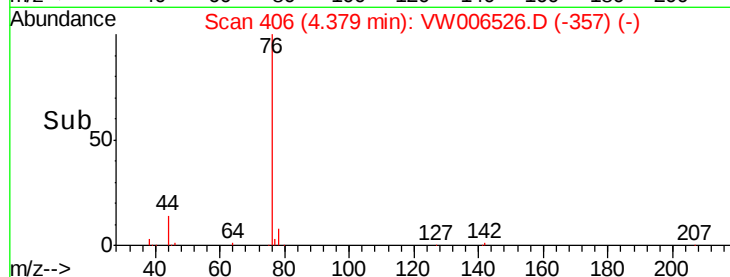
30000

20000

10000

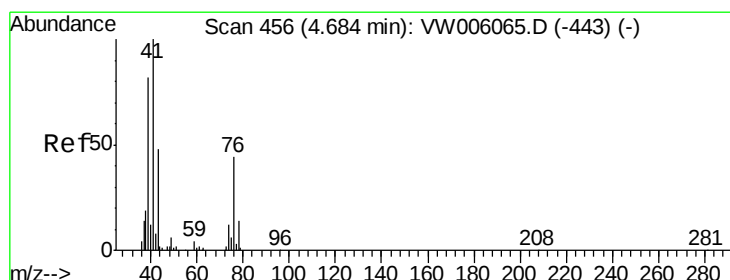
0

Time-->



4.38

4.20 4.30 4.40 4.50



#18

Methyl Acetate

Concen: 21.603 ug/l

RT: 4.68 min Scan# 455

Delta R.T. -0.01 min

Lab File: VW006526.D

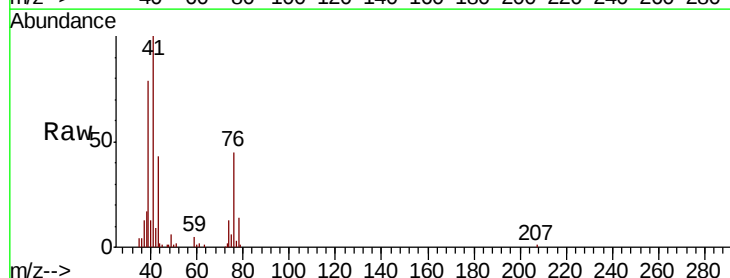
Acq: 31 Oct 2018 15:18

Tgt Ion: 43 Resp: 22443

Ion Ratio Lower Upper

43 100

74 27.3 20.5 30.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

8000

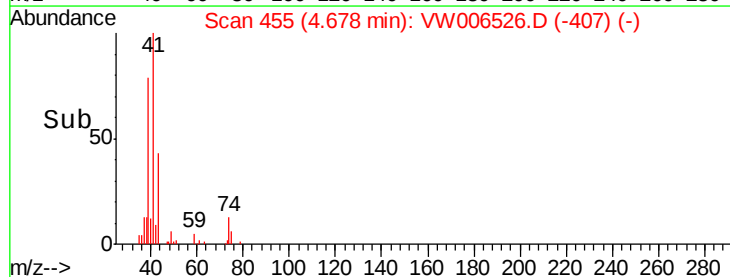
6000

4000

2000

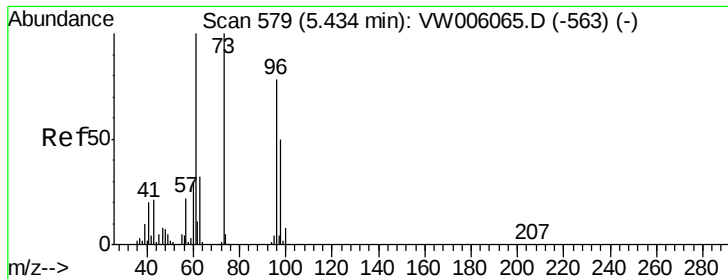
0

Time-->



4.68

4.60 4.70 4.80



#19

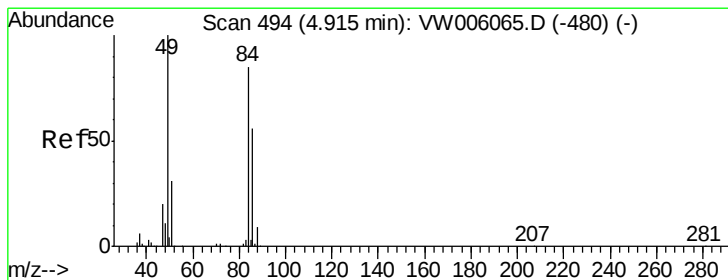
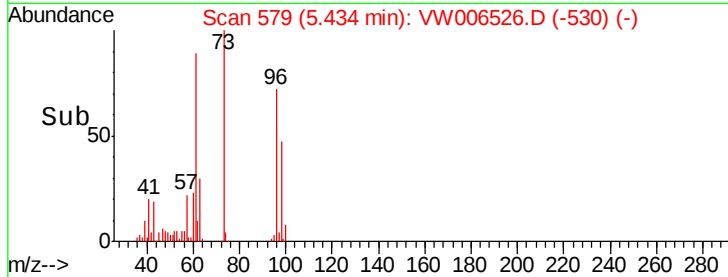
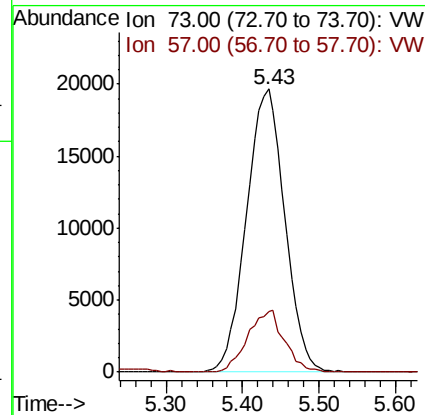
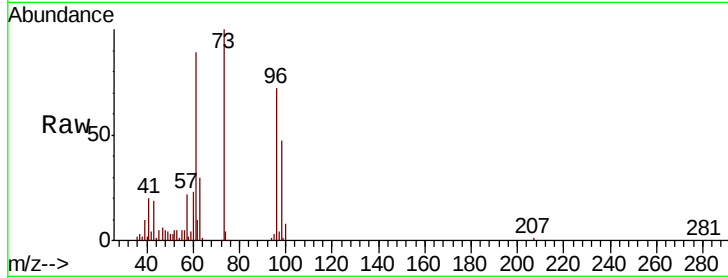
Methyl tert-butyl Ether
 Concen: 21.646 ug/l
 RT: 5.43 min Scan# 579
 Delta R.T. 0.00 min
 Lab File: VW006526.D
 Acq: 31 Oct 2018 15:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1101SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.7	17.4	26.2

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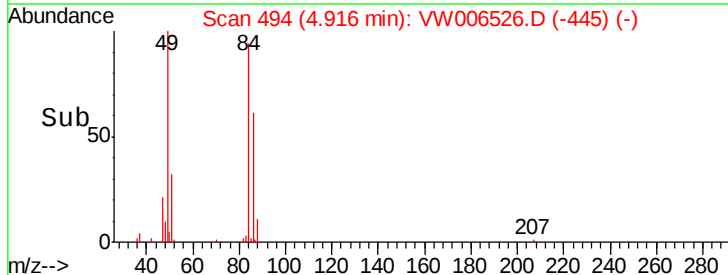
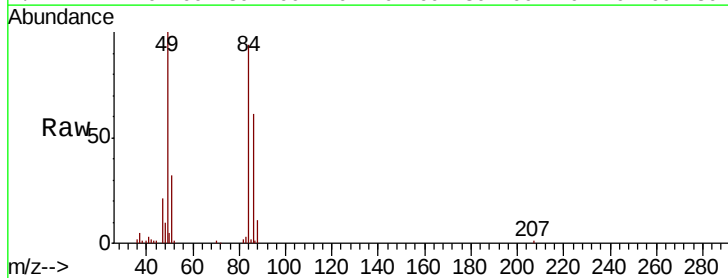
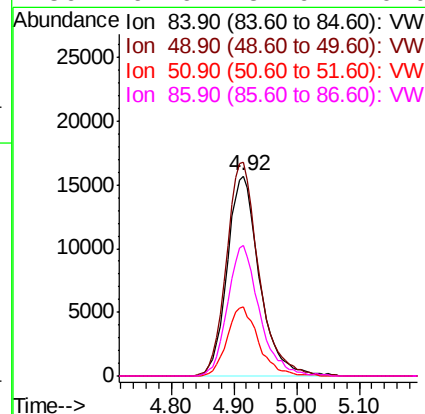
MMDadoda
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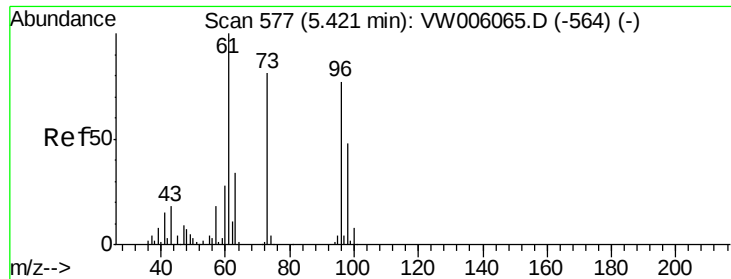


#20

Methylene Chloride
 Concen: 24.753 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. 0.00 min
 Lab File: VW006526.D
 Acq: 31 Oct 2018 15:18

Tgt Ion	Ratio	Lower	Upper
84	100		
49	106.6	93.6	140.4
51	34.4	29.0	43.4
86	64.9	52.6	79.0





#21

trans-1,2-Dichloroethene

Concen: 21.945 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW006526.D

Acq: 31 Oct 2018 15:18

Instrument :

MSVOA_W

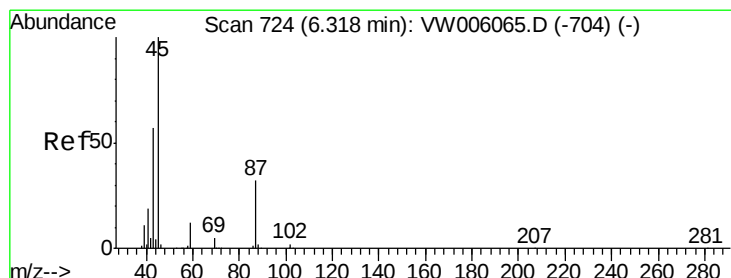
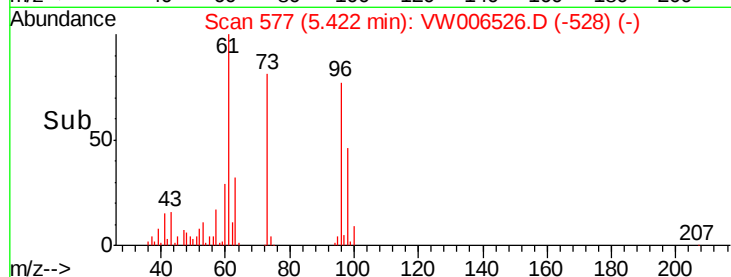
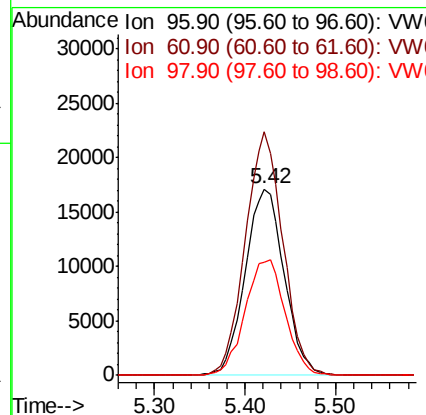
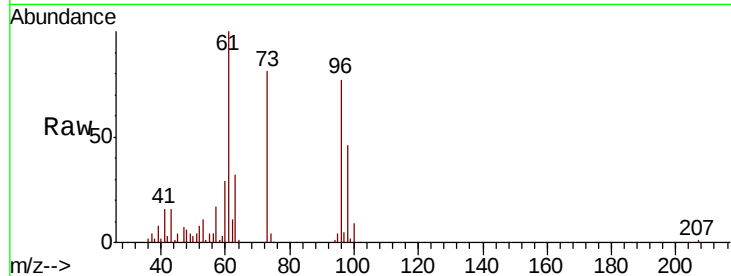
ClientSampleId :

VW1101SBS01

Tot Ion:	96	Resp:	50963
Ion	Ratio	Lower	Upper
96	100		
61	130.7	104.5	156.7
98	60.7	50.6	75.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 21.493 ug/l

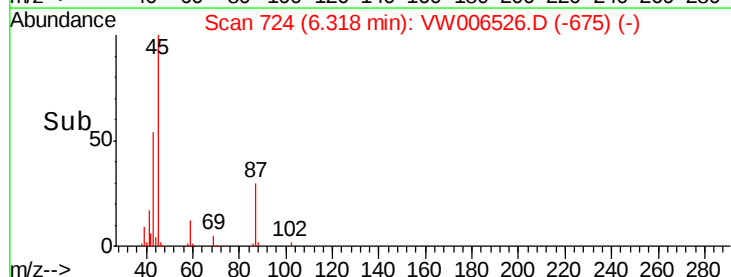
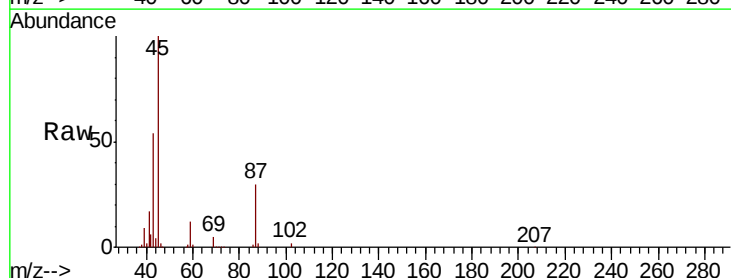
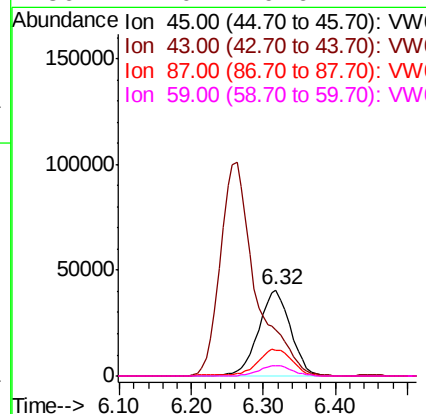
RT: 6.32 min Scan# 724

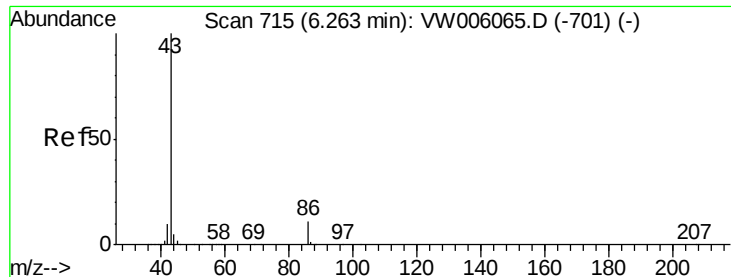
Delta R.T. 0.00 min

Lab File: VW006526.D

Acq: 31 Oct 2018 15:18

Tgt Ion:	45	Resp:	126349
Ion	Ratio	Lower	Upper
45	100		
43	53.4	45.7	68.5
87	30.3	25.9	38.9
59	12.0	9.6	14.4





#23

Vinyl Acetate

Concen: 99.552 ug/l

RT: 6.26 min Scan# 715

Delta R.T. 0.00 min

Lab File: VW006526.D

Acq: 31 Oct 2018 15:18

Instrument :

MSVOA_W

ClientSampleId :

VW1101SBSD01

Tot Ion: 43 Resp: 345380

Ion Ratio Lower Upper

43 100

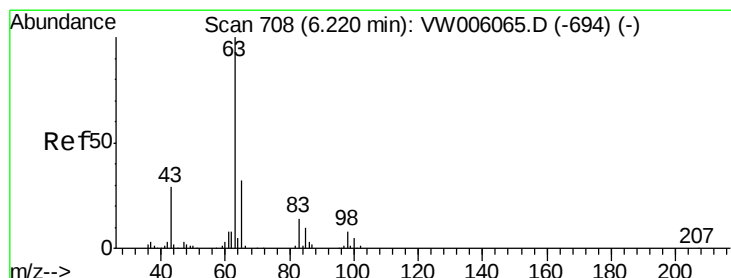
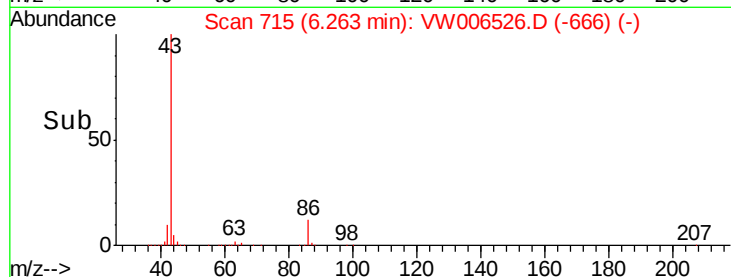
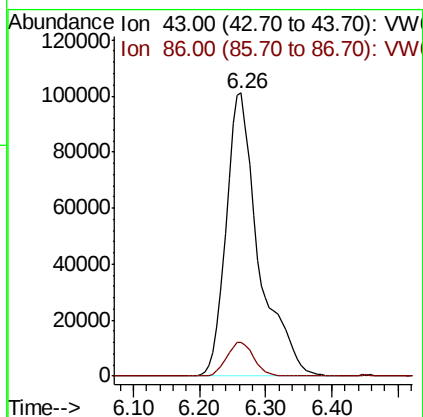
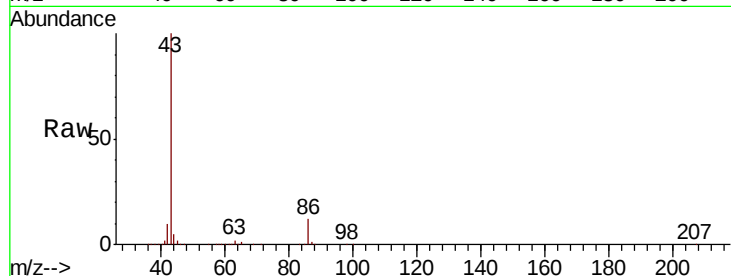
86 12.0 9.0 13.6

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#24

1,1-Dichloroethane

Concen: 22.415 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW006526.D

Acq: 31 Oct 2018 15:18

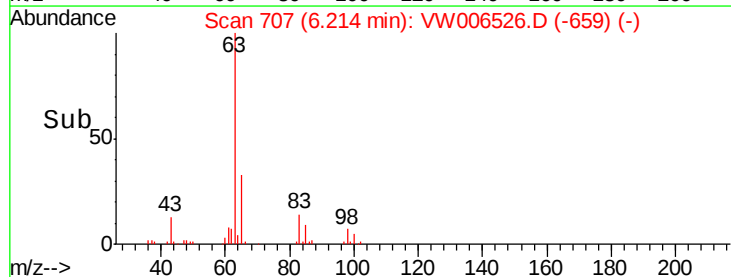
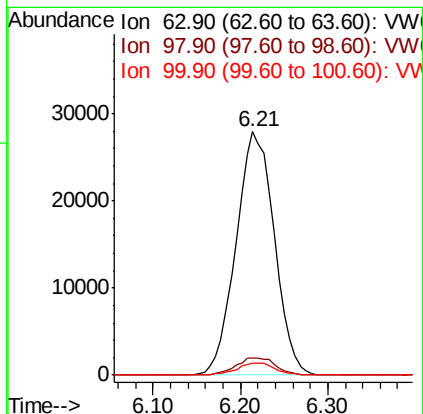
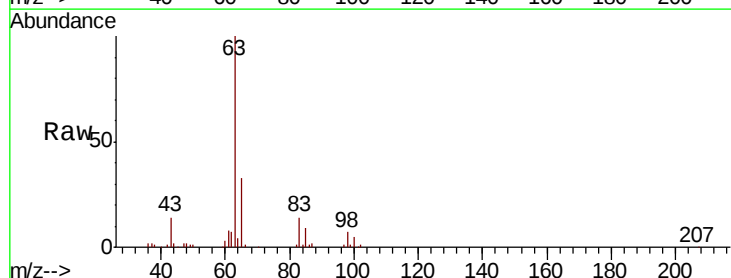
Tgt Ion: 63 Resp: 85027

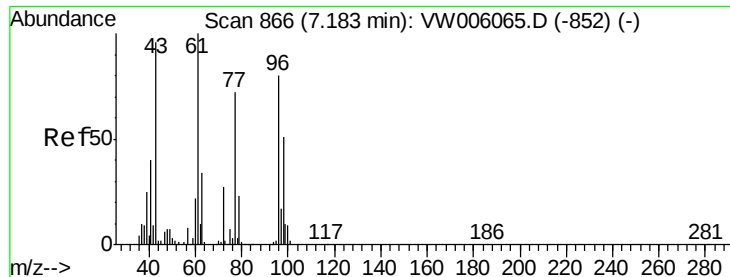
Ion Ratio Lower Upper

63 100

98 7.1 3.8 11.2

100 4.8 2.5 7.5





#25

2-Butanone

Concen: 113.933 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.00 min

Lab File: VW006526.D

Acq: 31 Oct 2018 15:18

Instrument :

MSVOA_W

ClientSampleId :

VW1101SBS01

Tot Ion: 43 Resp: 63540

Ion Ratio Lower Upper

43 100

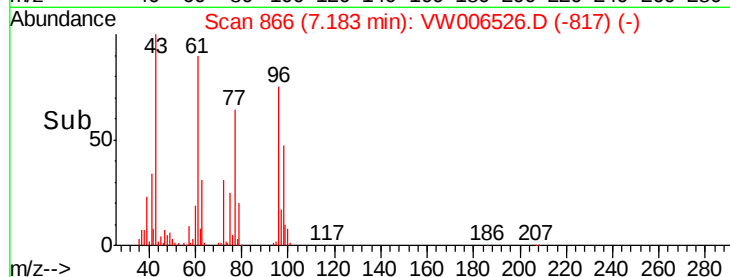
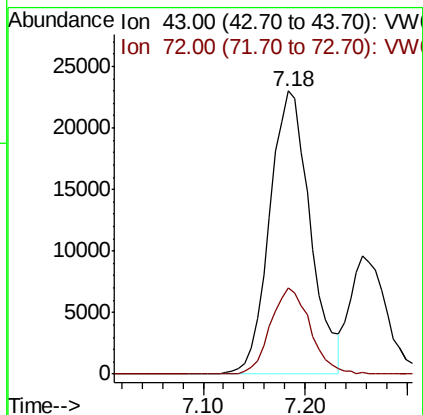
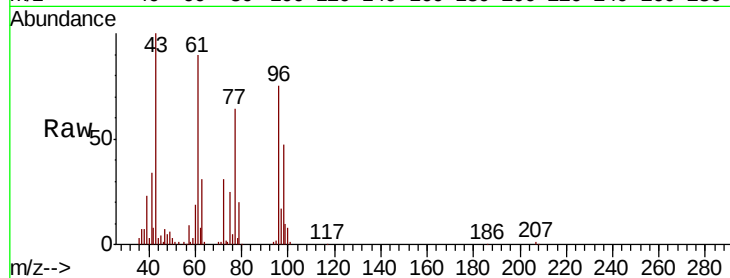
72 30.6 22.8 34.2

Manual Integrations

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11/1/2018 1:37:14 PM



#26

2,2-Dichloropropane

Concen: 21.622 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW006526.D

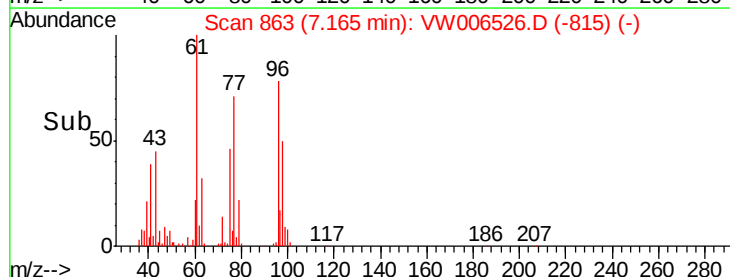
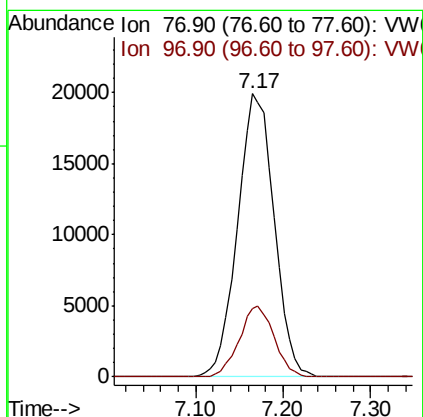
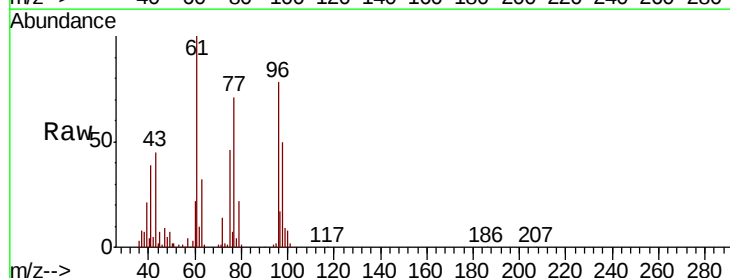
Acq: 31 Oct 2018 15:18

Tgt Ion: 77 Resp: 57847

Ion Ratio Lower Upper

77 100

97 23.9 12.2 36.4





#27

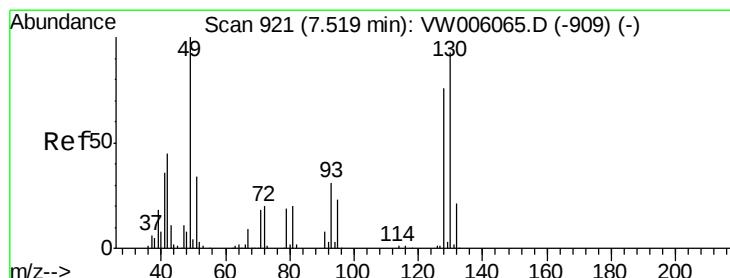
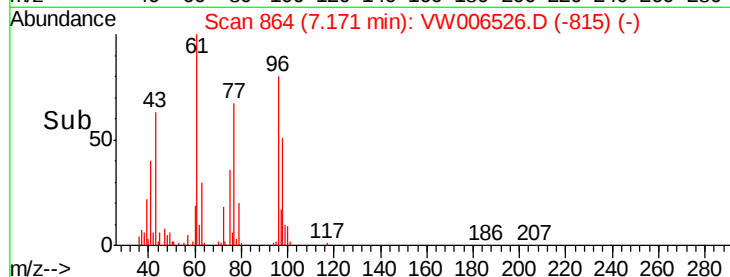
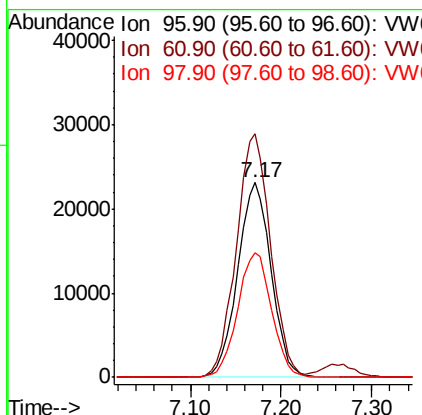
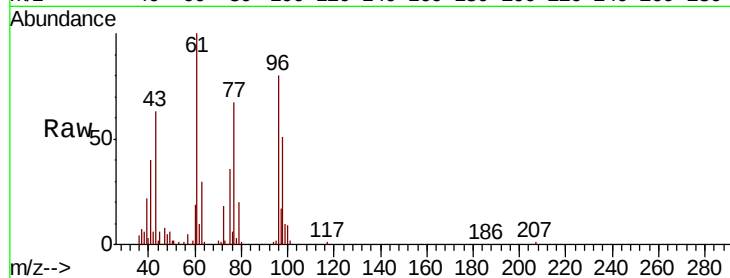
cis-1,2-Dichloroethene
Concen: 23.016 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW006526.D
Acq: 31 Oct 2018 15:18

Instrument :
MSVOA_W
ClientSampleId :
VW1101SBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	128.1	0.0	267.2
98	65.0	0.0	128.6

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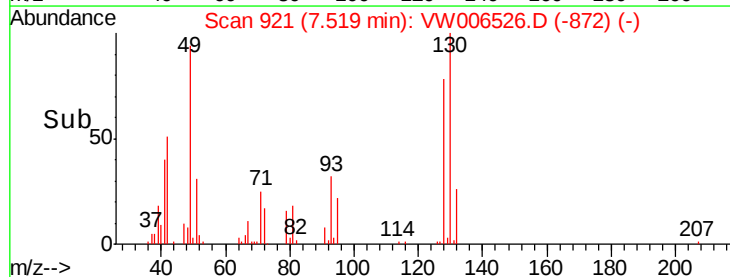
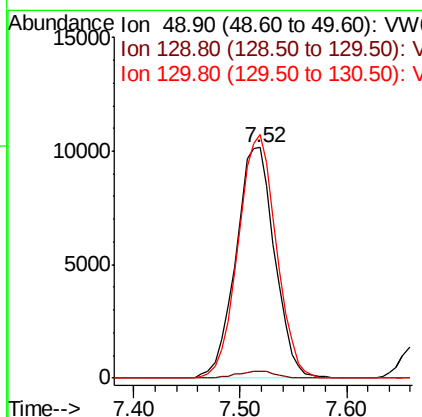
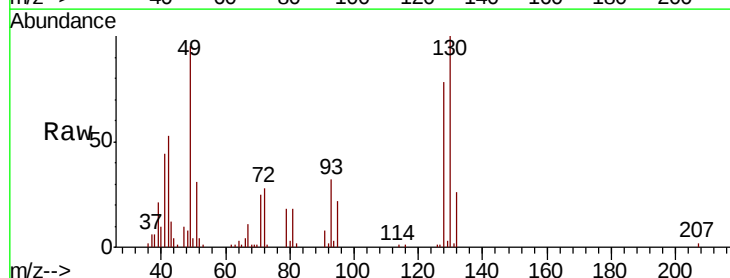
MMDadoda
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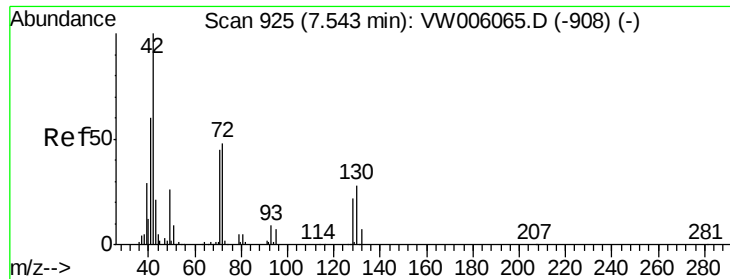


#28

Bromochloromethane
Concen: 17.720 ug/l
RT: 7.52 min Scan# 921
Delta R.T. 0.00 min
Lab File: VW006526.D
Acq: 31 Oct 2018 15:18

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.8	0.0	5.0
130	103.6	73.8	110.8





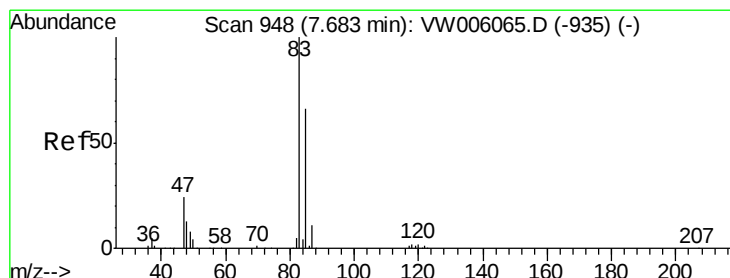
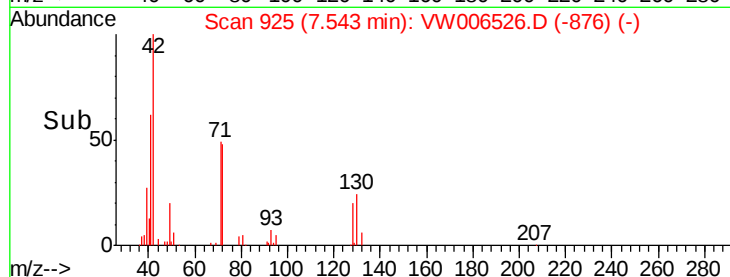
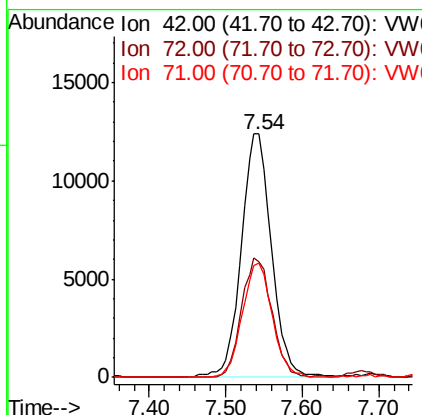
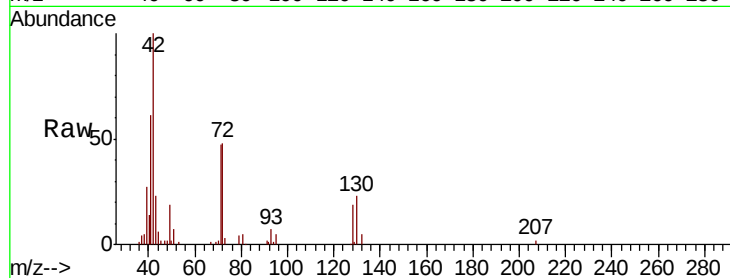
#29
Tetrahydrofuran
Concen: 99.279 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.00 min
Lab File: VW006526.D
Acq: 31 Oct 2018 15:18

Instrument :
MSVOA_W
ClientSampleId :
VW1101SBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.9	38.0	57.0
71	46.6	35.3	52.9

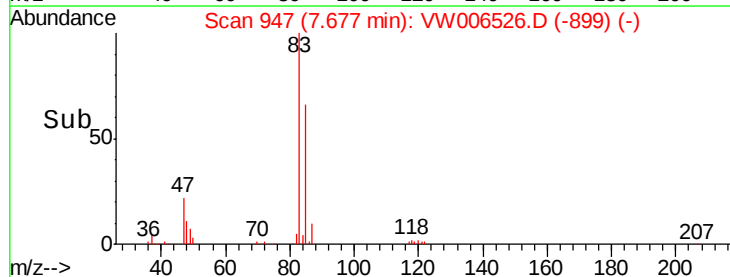
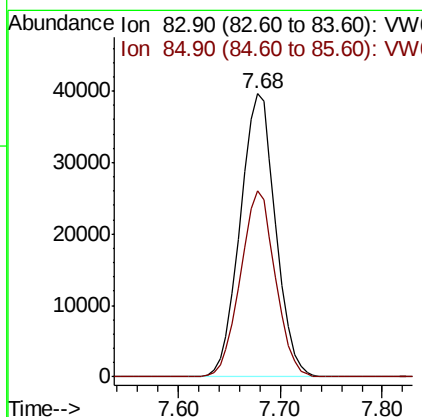
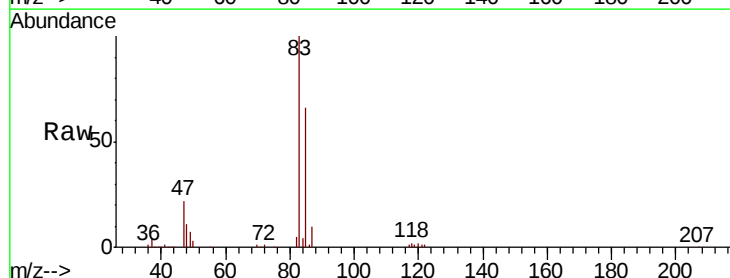
Manual Integrations
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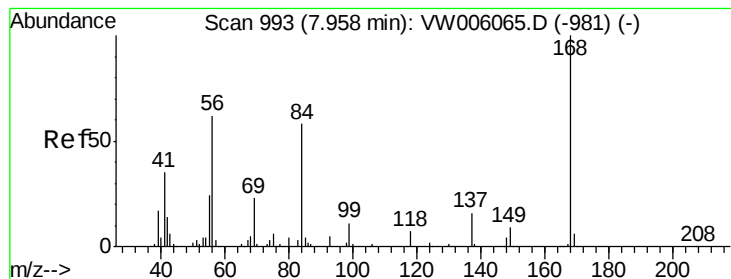
MMDadoda
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#30
Chloroform
Concen: 23.110 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.01 min
Lab File: VW006526.D
Acq: 31 Oct 2018 15:18

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	52.6	79.0





#31

Cyclohexane

Concen: 19.553 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW006526.D

Acq: 31 Oct 2018 15:18

Instrument :

MSVOA_W

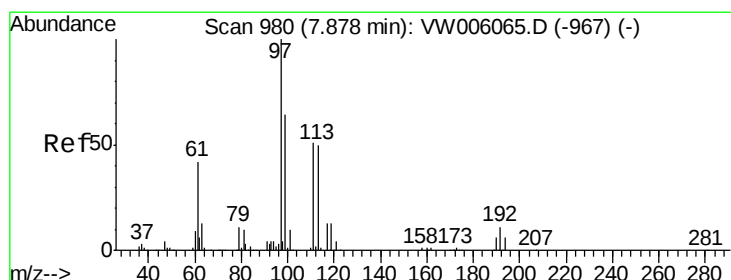
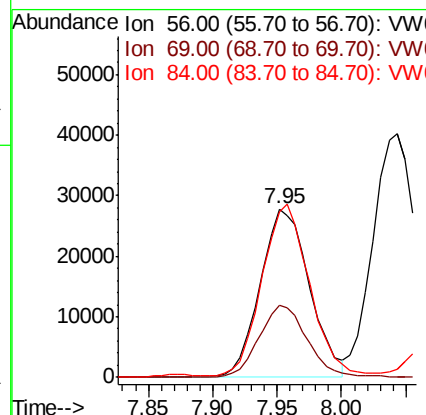
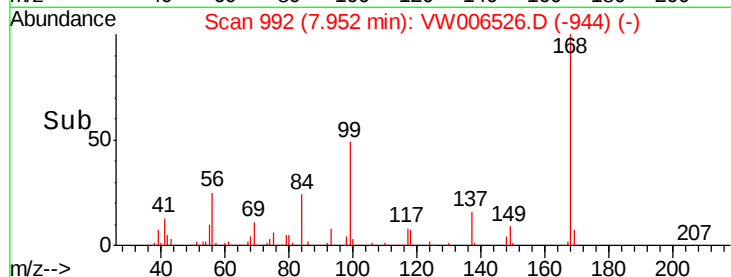
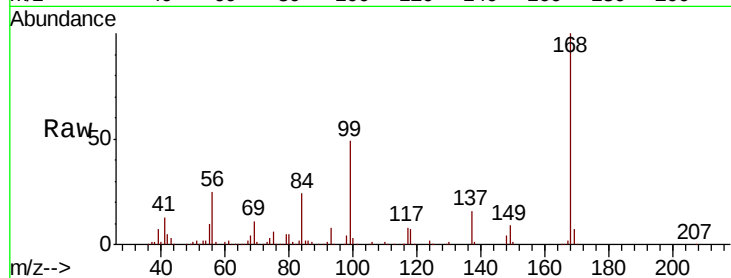
ClientSampleId :

VW1101SBS01

Tot Ion:	56	Resp:	73862
Ion	Ratio	Lower	Upper
56	100		
69	42.5	29.4	44.0
84	97.1	74.0	111.0

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 21.971 ug/l

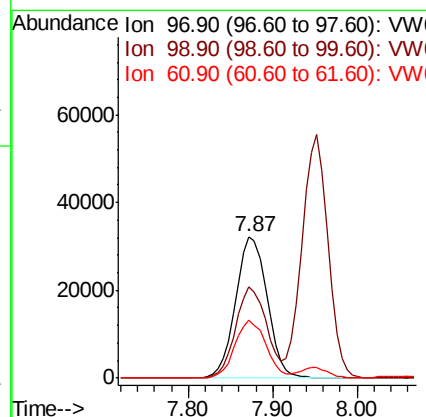
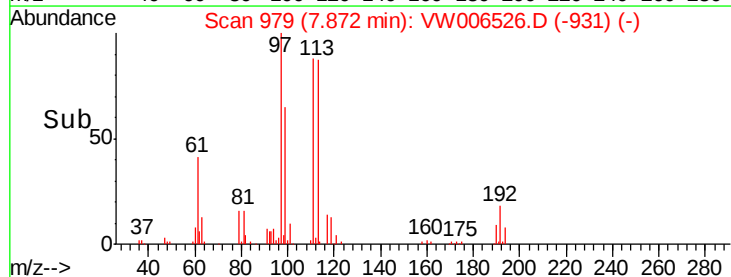
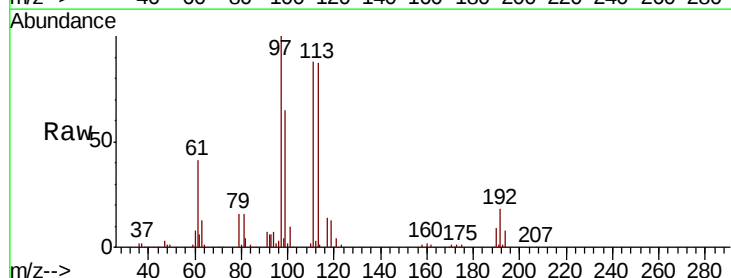
RT: 7.87 min Scan# 979

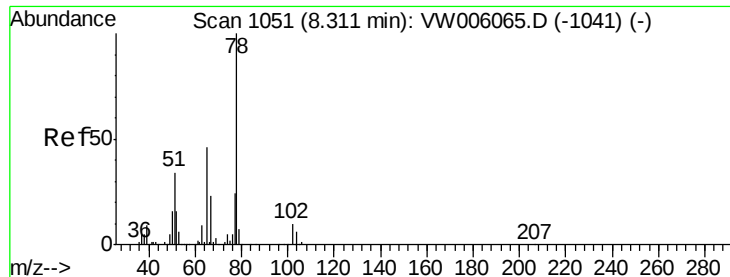
Delta R.T. -0.01 min

Lab File: VW006526.D

Acq: 31 Oct 2018 15:18

Tgt Ion:	97	Resp:	81909
Ion	Ratio	Lower	Upper
97	100		
99	63.2	50.9	76.3
61	40.6	33.7	50.5





#33

1,2-Dichloroethane-d4

Concen: 44.720 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VW006526.D

Acq: 31 Oct 2018 15:18

Instrument :

MSVOA_W

ClientSampleId :

VW1101SBSD01

Tot Ion: 65 Resp: 92320

Ion Ratio Lower Upper

65 100

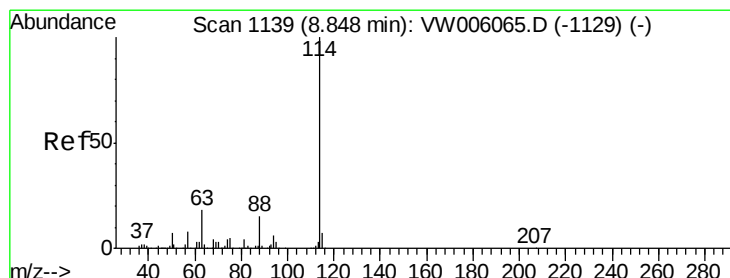
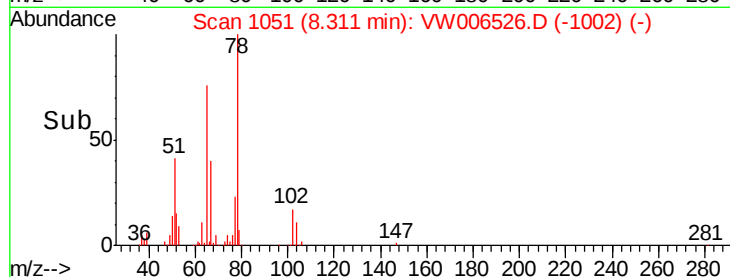
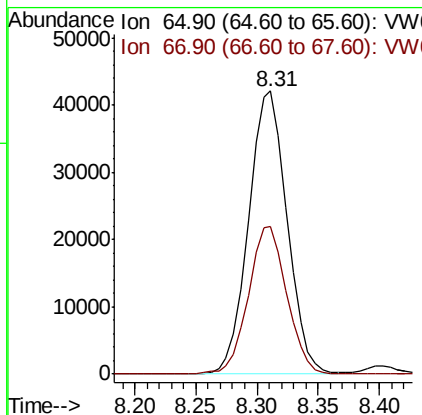
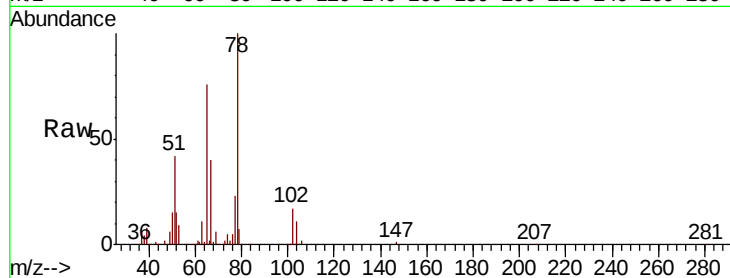
67 52.2 0.0 101.0

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. 0.00 min

Lab File: VW006526.D

Acq: 31 Oct 2018 15:18

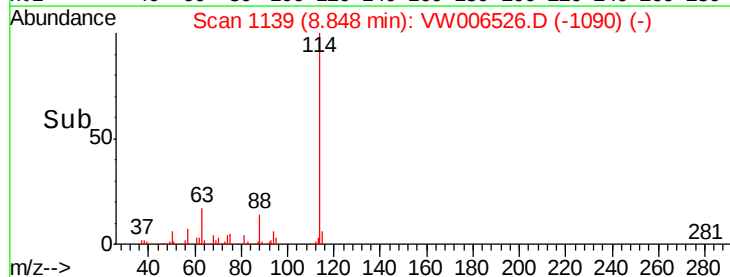
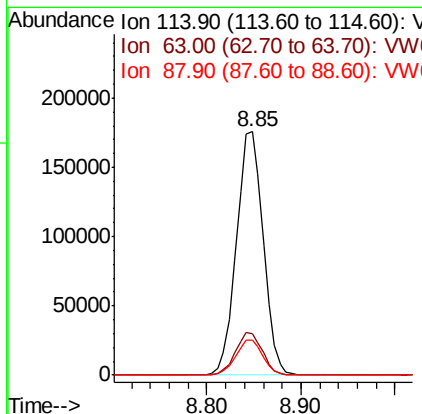
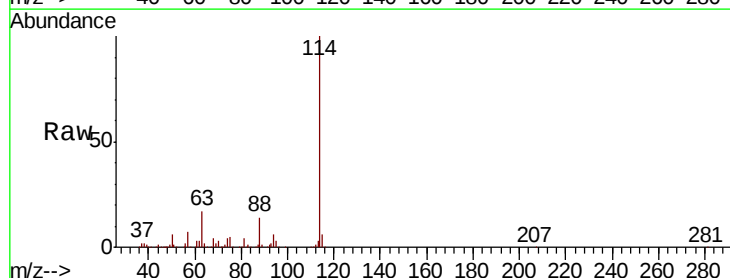
Tgt Ion: 114 Resp: 348250

Ion Ratio Lower Upper

114 100

63 17.1 0.0 36.8

88 14.4 0.0 29.0





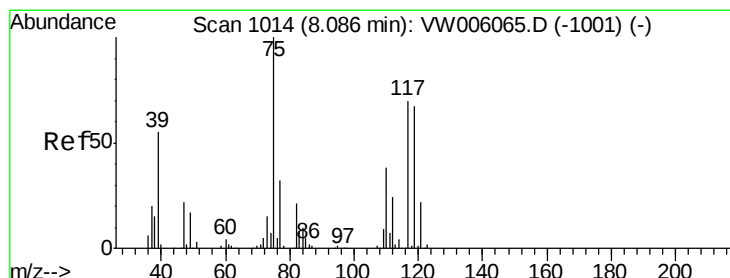
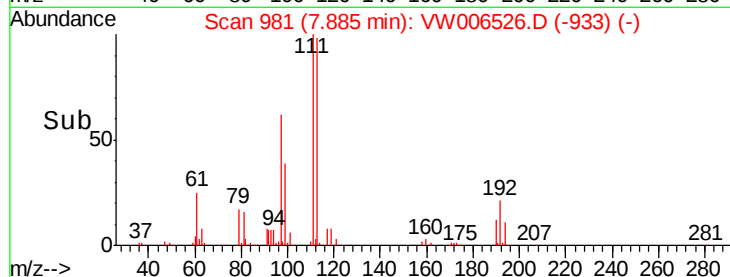
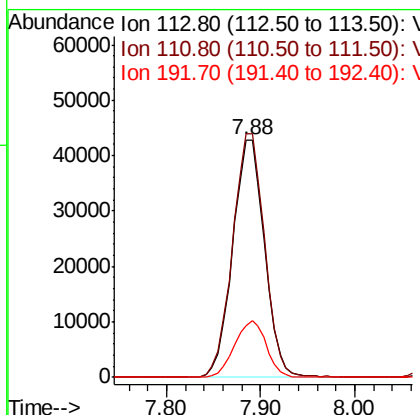
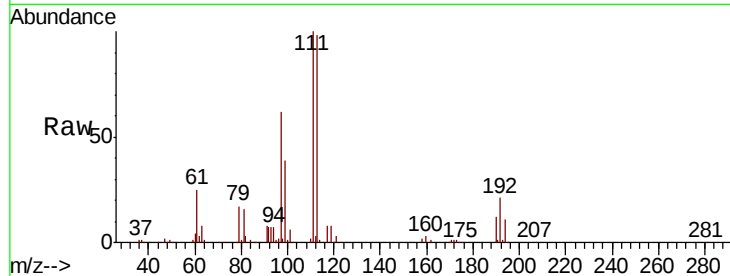
#35
 Dibromofluoromethane
 Concen: 49.010 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.01 min
 Lab File: VW006526.D
 Acq: 31 Oct 2018 15:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1101SBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	81.4	122.0
192	23.9	18.7	28.1

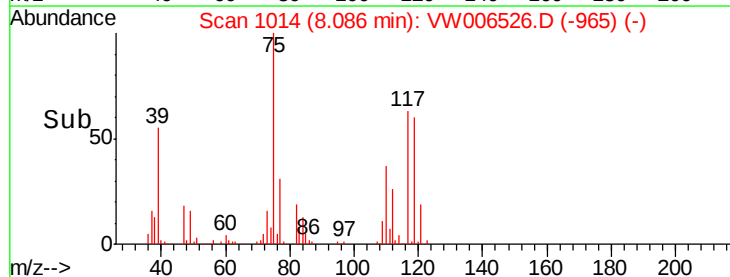
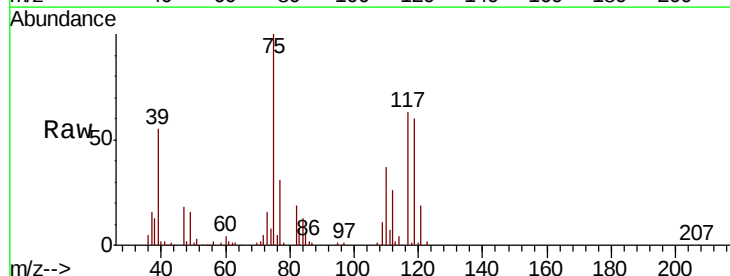
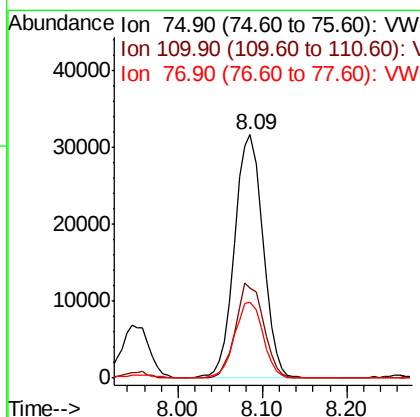
Manual Integrations
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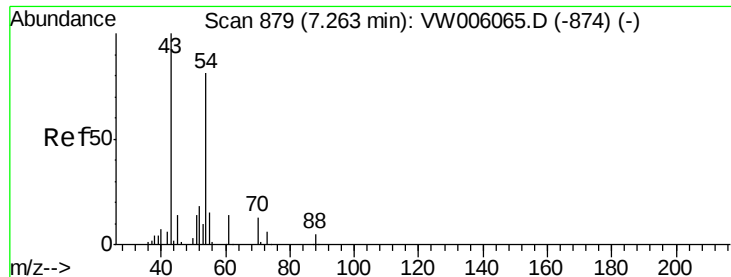
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 11/1/2018 1:37:14 PM



#36
 1,1-Dichloropropene
 Concen: 22.595 ug/l
 RT: 8.09 min Scan# 1014
 Delta R.T. 0.00 min
 Lab File: VW006526.D
 Acq: 31 Oct 2018 15:18

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.2	19.1	57.1
77	31.3	25.0	37.4





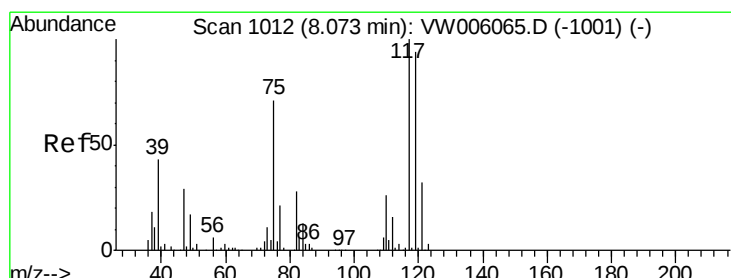
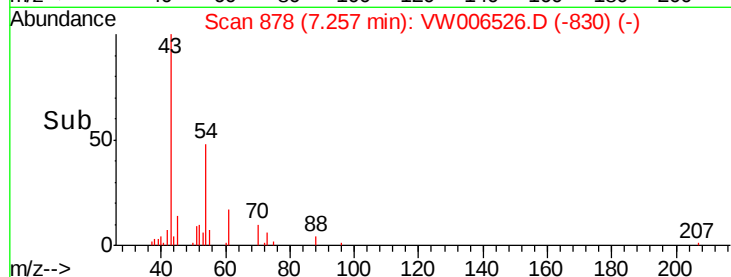
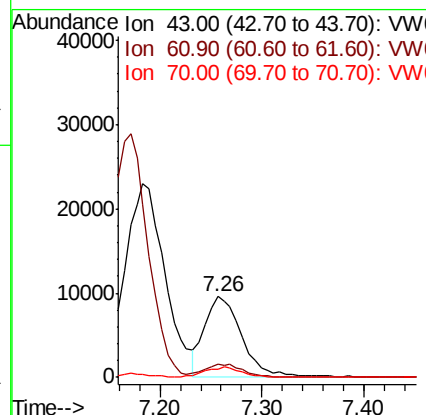
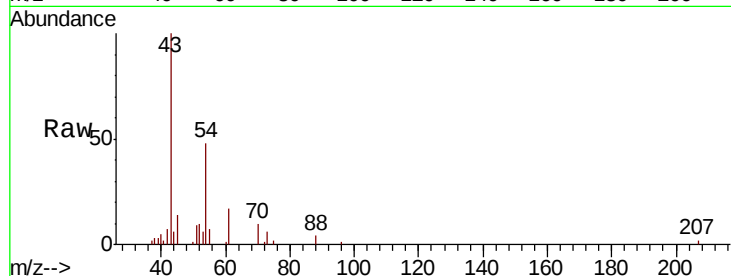
#37
Ethyl Acetate
Concen: 20.185 ug/l
RT: 7.26 min Scan# 878
Delta R.T. -0.01 min
Lab File: VW006526.D
Acq: 31 Oct 2018 15:18

Instrument :
MSVOA_W
ClientSampleId :
VW1101SBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.1	11.5	17.3
70	12.6	9.2	13.8

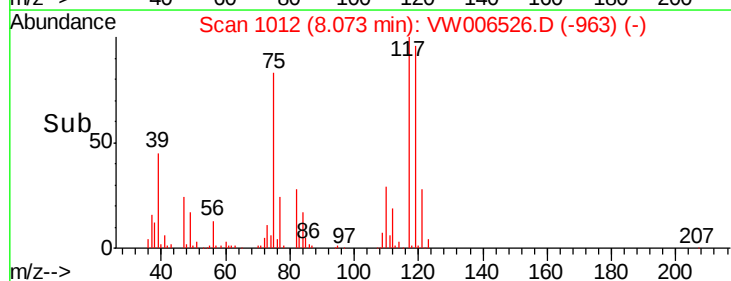
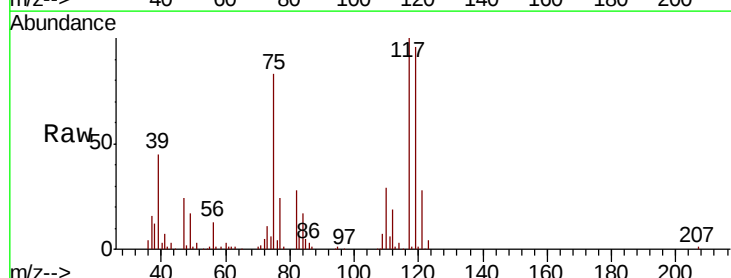
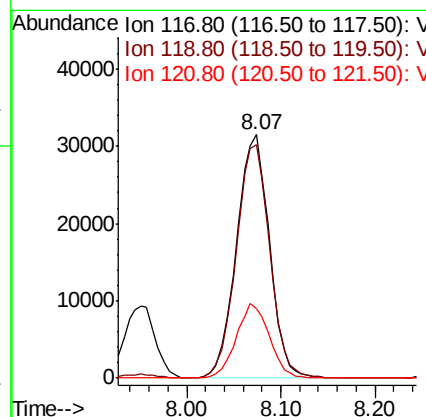
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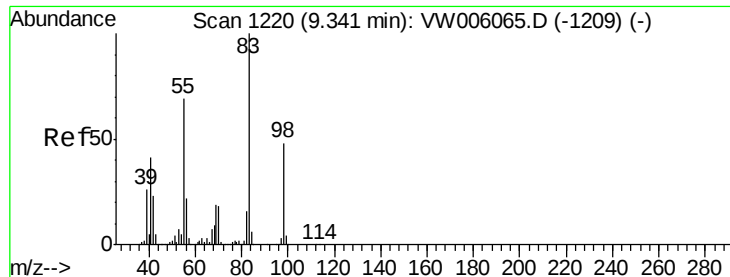
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#38
Carbon Tetrachloride
Concen: 21.859 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VW006526.D
Acq: 31 Oct 2018 15:18

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.7	75.2	112.8
121	28.5	25.3	37.9





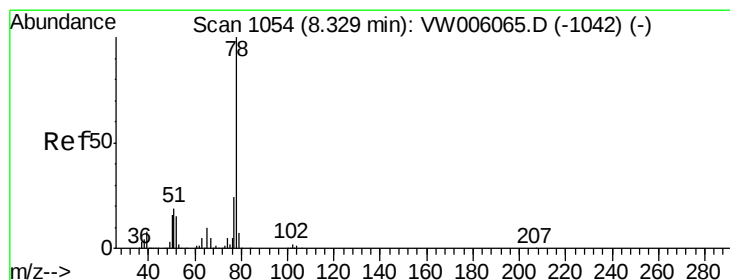
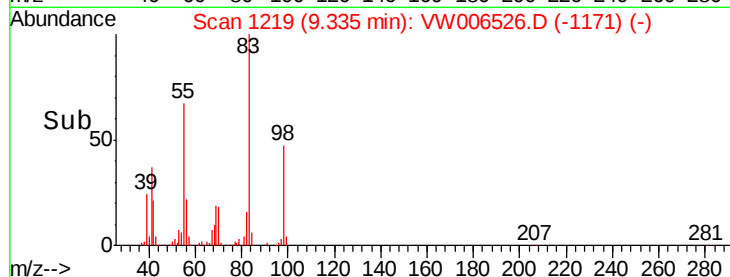
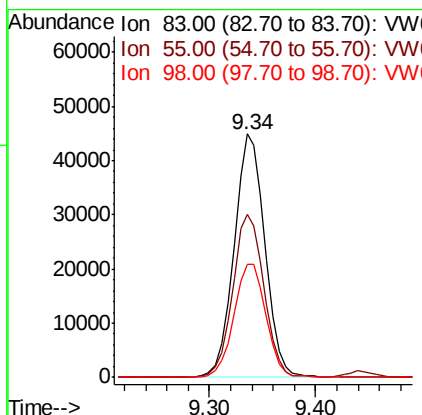
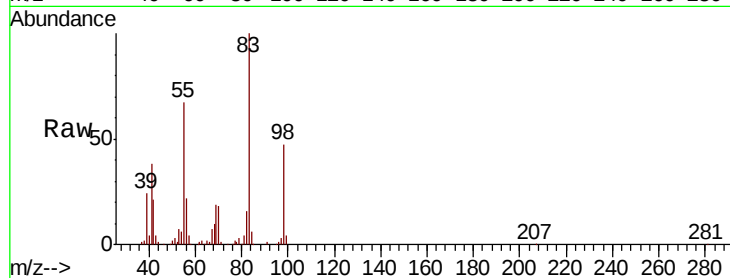
#39
Methvlcvclohexane
Concen: 21.303 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW006526.D
Acq: 31 Oct 2018 15:18

Instrument :
MSVOA_W
ClientSampleId :
VW1101SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	66.8	55.0	82.6
98	46.6	38.6	57.8

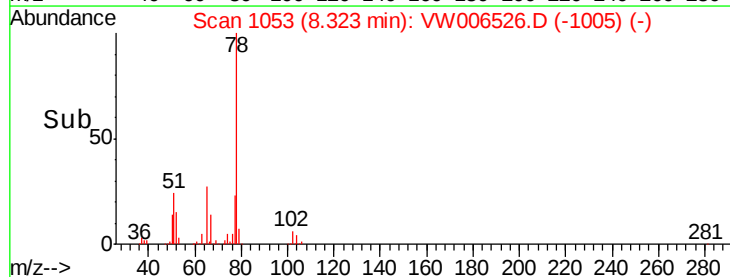
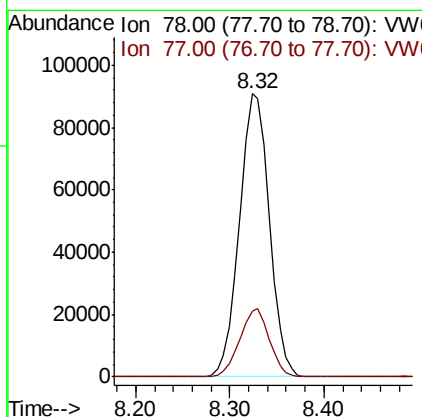
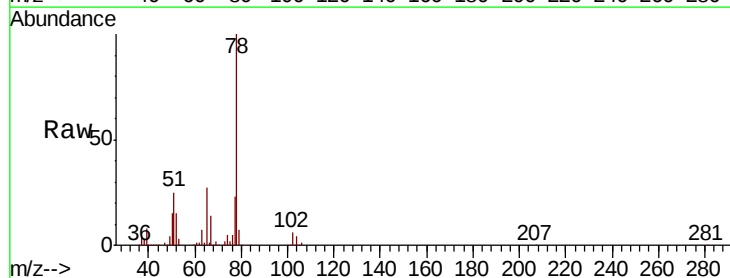
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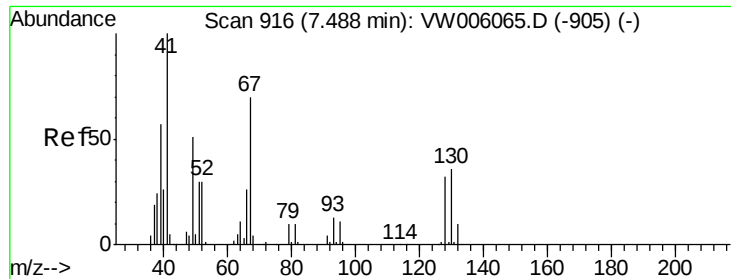
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#40
Benzene
Concen: 22.978 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VW006526.D
Acq: 31 Oct 2018 15:18

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.4	29.0





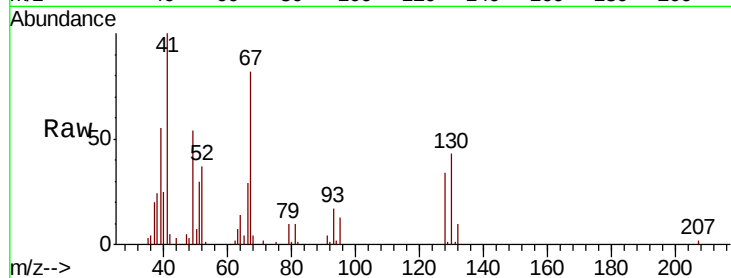
#41
Methacrylonitrile
Concen: 18.928 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.00 min
Lab File: VW006526.D
Acq: 31 Oct 2018 15:18

Instrument :
MSVOA_W
ClientSampleId :
VW1101SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	69.5	46.2	69.4#
67	87.2	57.7	86.5#
52	34.7	24.7	37.1

Manual Integrations
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11/1/2018 1:37:14 PM



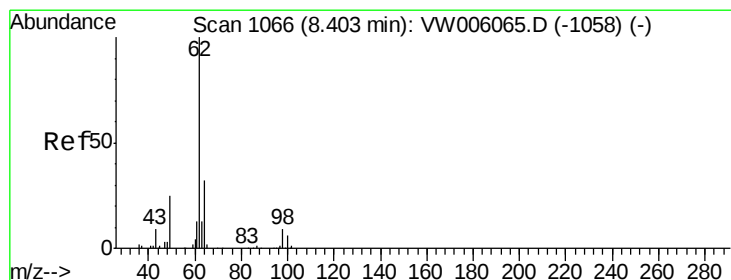
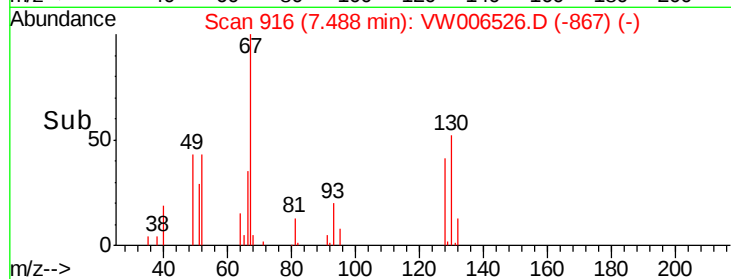
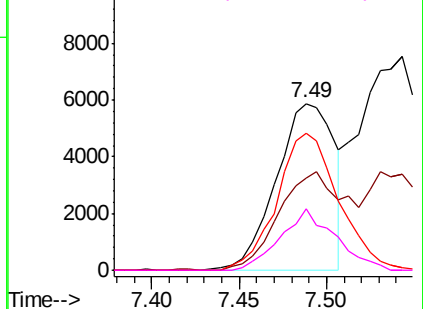
Abundance

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

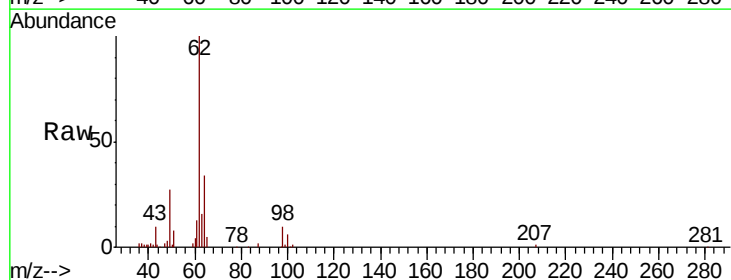
Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42
1,2-Dichloroethane
Concen: 22.210 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW006526.D
Acq: 31 Oct 2018 15:18

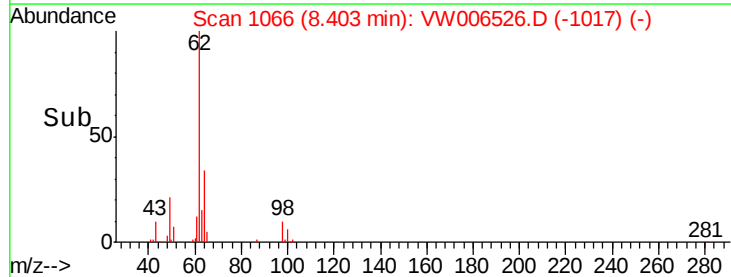
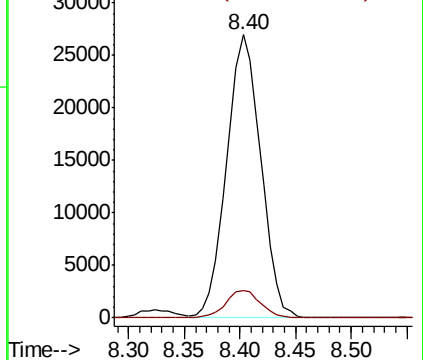
Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	18.4

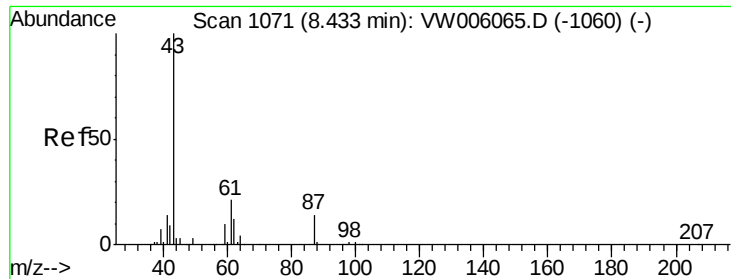


Abundance

Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 19.973 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.01 min

Lab File: VW006526.D

Acq: 31 Oct 2018 15:18

Instrument :

MSVOA_W

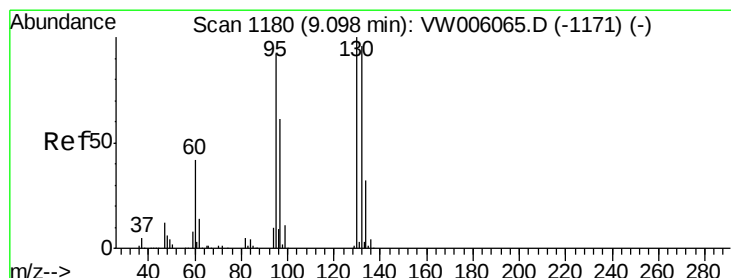
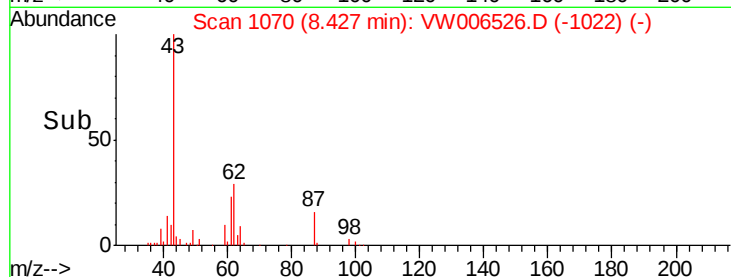
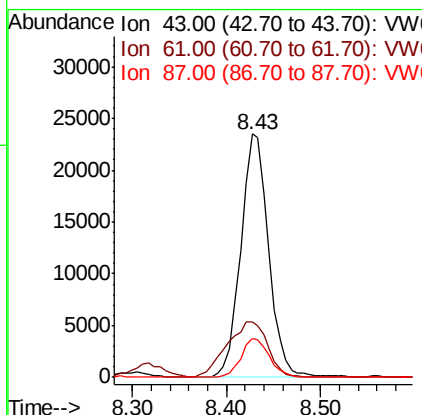
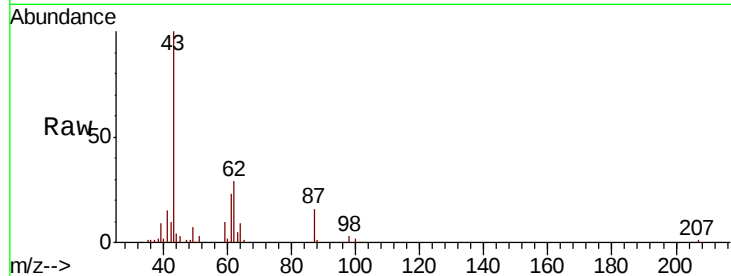
ClientSampleId :

VW1101SBS01

Tot Ion:	43	Resp:	48703
Ion	Ratio	Lower	Upper
43	100		
61	33.1	25.5	38.3
87	16.2	11.7	17.5

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#44

Trichloroethene

Concen: 23.408 ug/l

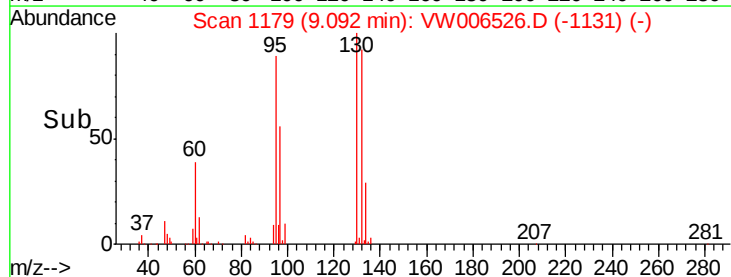
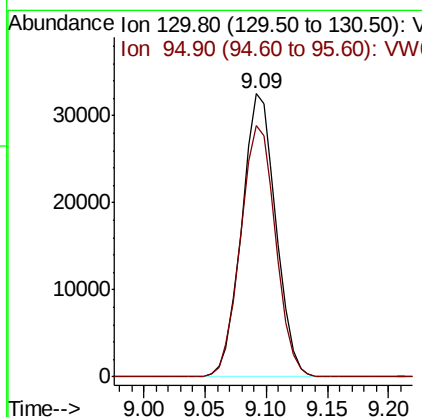
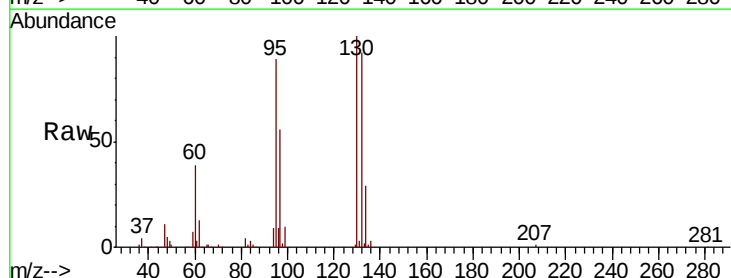
RT: 9.09 min Scan# 1179

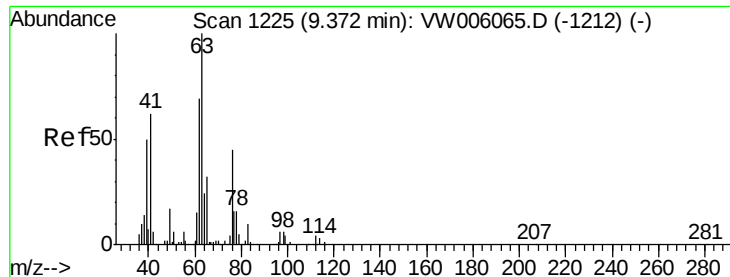
Delta R.T. -0.01 min

Lab File: VW006526.D

Acq: 31 Oct 2018 15:18

Tgt Ion:	130	Resp:	63232
Ion	Ratio	Lower	Upper
130	100		
95	88.9	0.0	183.2





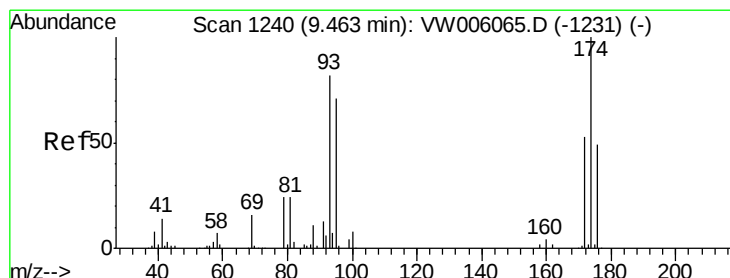
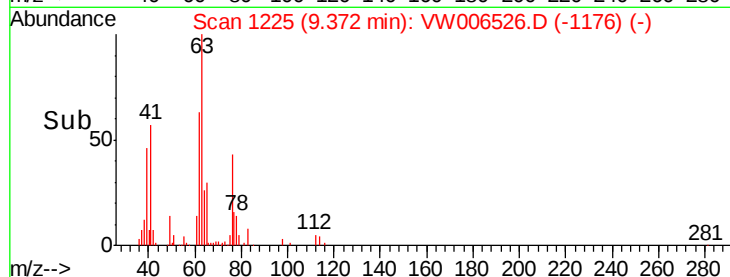
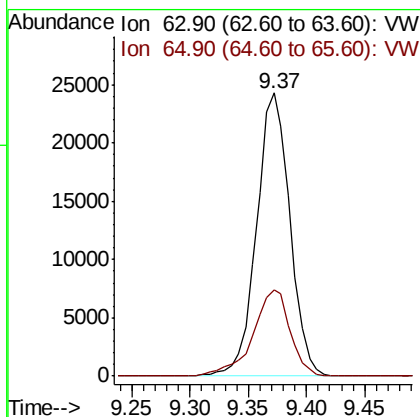
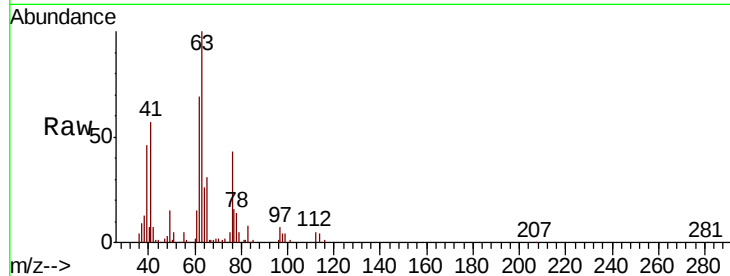
#45
 1,2-Dichloropropane
 Concen: 22.918 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW006526.D
 Acq: 31 Oct 2018 15:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1101SBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.6	25.4	38.0

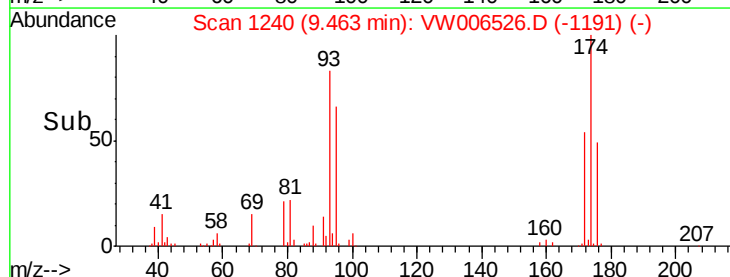
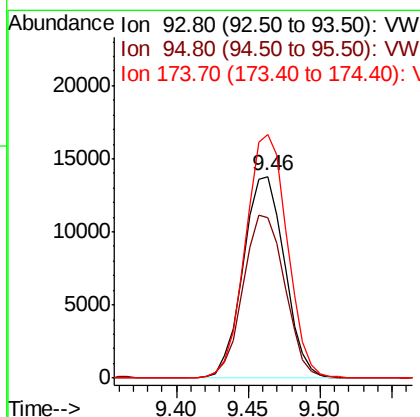
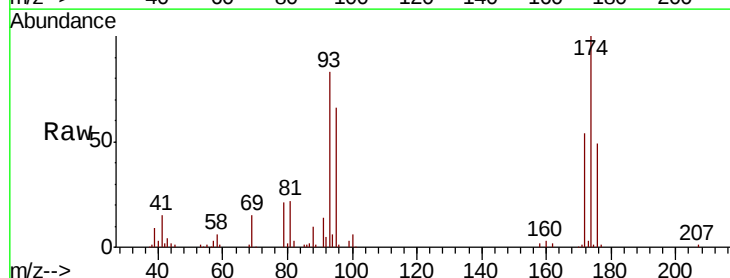
Manual Integrations
 APPROVED

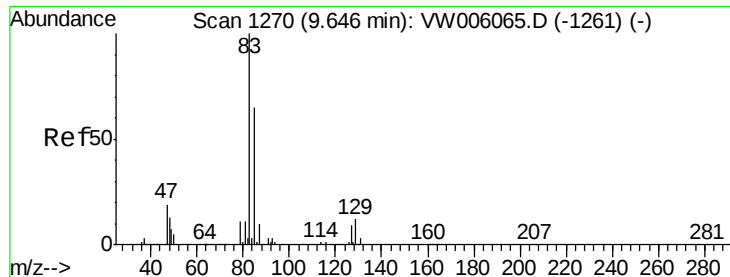
MMDadoda
 11/1/2018 1:37:14 PM



#46
 Dibromomethane
 Concen: 22.868 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VW006526.D
 Acq: 31 Oct 2018 15:18

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.8	67.7	101.5
174	121.4	93.7	140.5





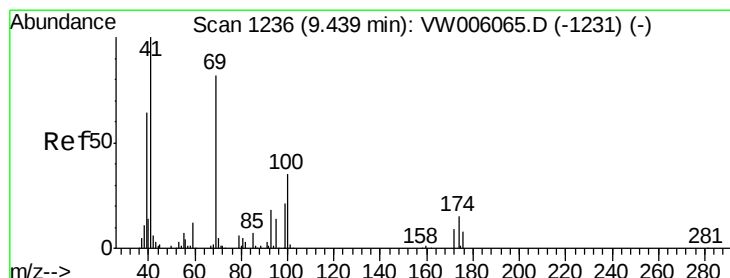
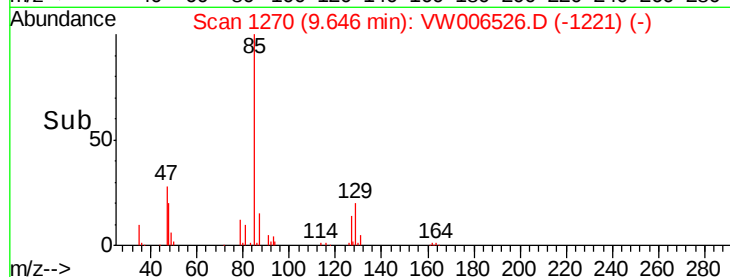
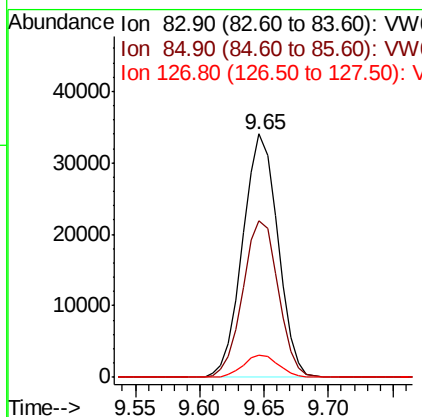
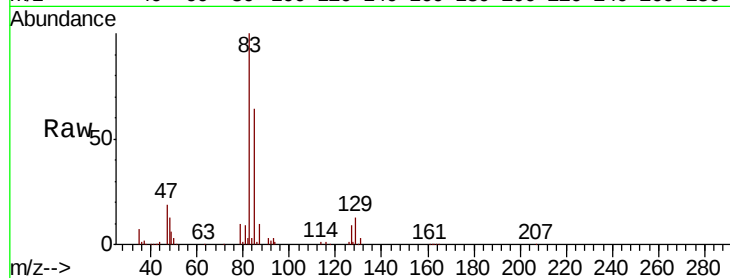
#47
Bromodichloromethane
Concen: 22.061 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VW006526.D
Acq: 31 Oct 2018 15:18

Instrument :
MSVOA_W
ClientSampleId :
VW1101SBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.8	77.8
127	9.2	6.9	10.3

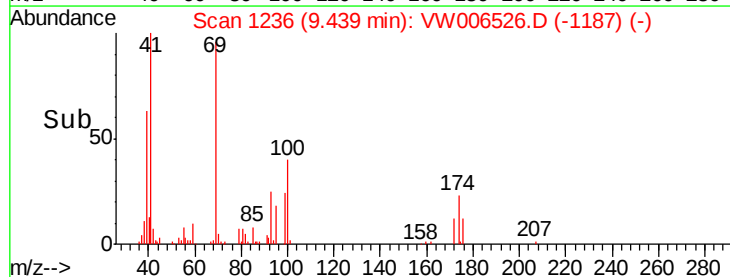
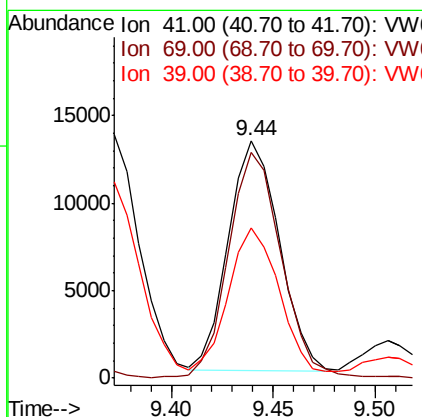
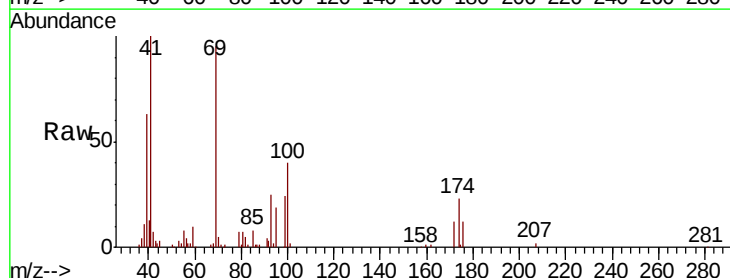
Manual Integrations
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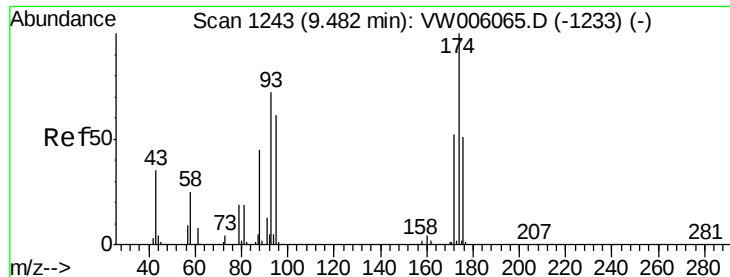
MMDadoda
11/1/2018 1:37:14 PM



#48
Methyl methacrylate
Concen: 19.750 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VW006526.D
Acq: 31 Oct 2018 15:18

Tgt Ion	Ratio	Lower	Upper
41	100		
69	102.6	71.8	107.8
39	66.9	52.5	78.7





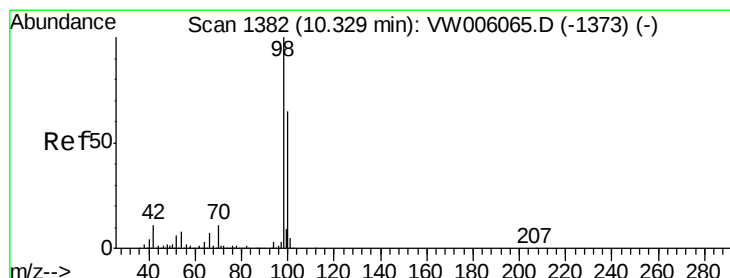
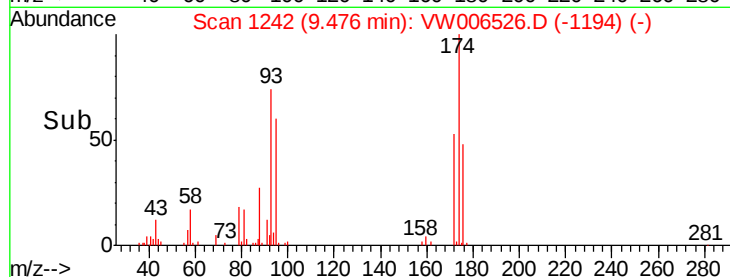
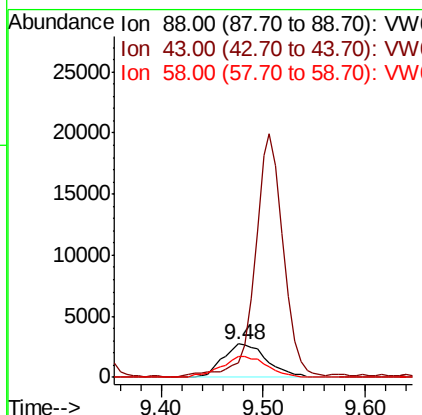
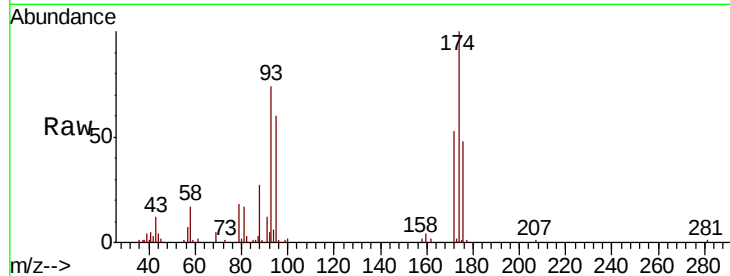
#49
1,4-Dioxane
Concen: 440.525 ug/l
RT: 9.48 min Scan# 1242
Delta R.T. -0.01 min
Lab File: VW006526.D
Acq: 31 Oct 2018 15:18

Instrument :
MSVOA_W
ClientSampleId :
VW1101SBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	65.4	51.2	76.8

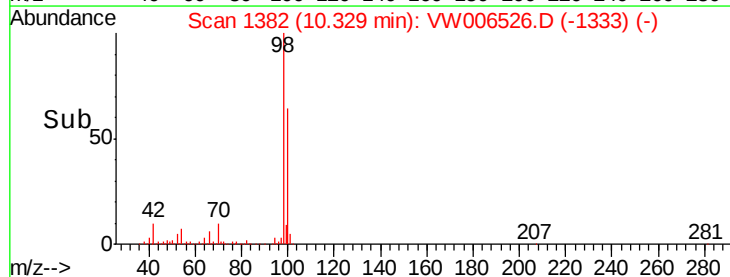
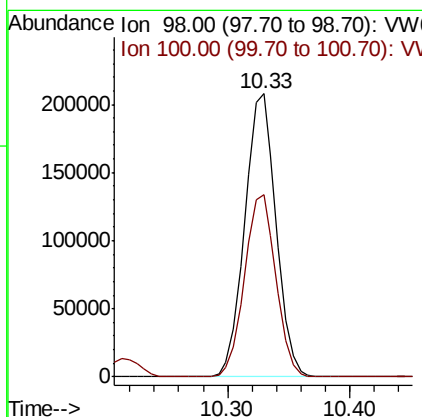
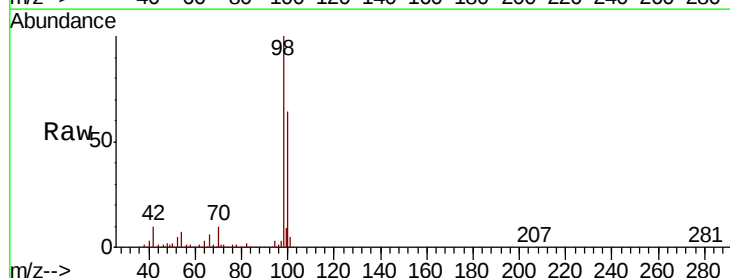
Manual Integrations
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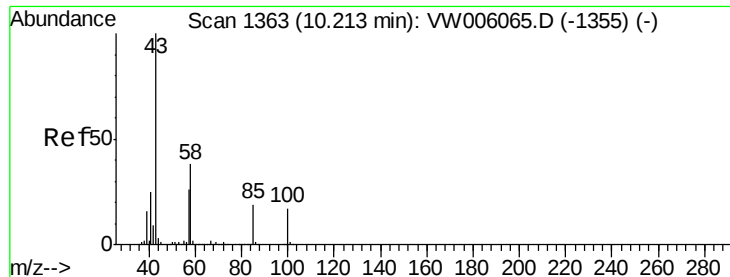
MMDadoda
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#50
Toluene-d8
Concen: 47.153 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VW006526.D
Acq: 31 Oct 2018 15:18

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 103.976 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW006526.D

Acq: 31 Oct 2018 15:18

Instrument :

MSVOA_W

ClientSampleId :

VW1101SBS01

Tot Ion: 43 Resp: 127032

Ion Ratio Lower Upper

43 100

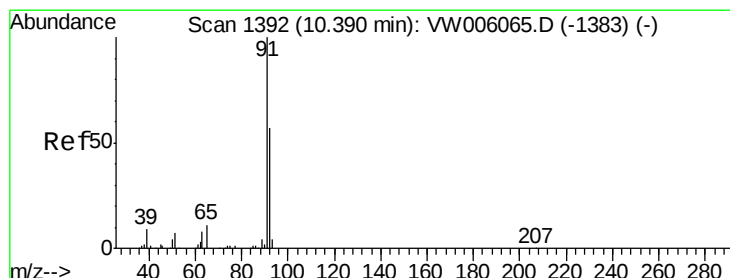
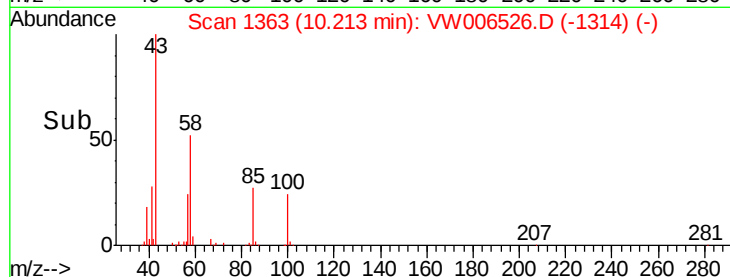
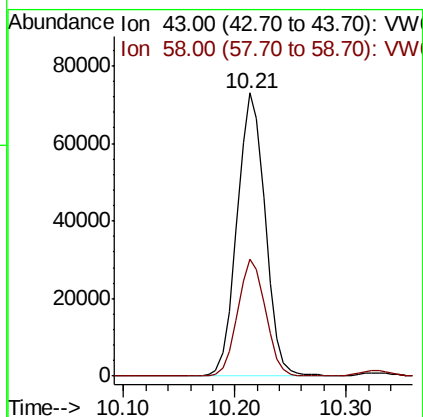
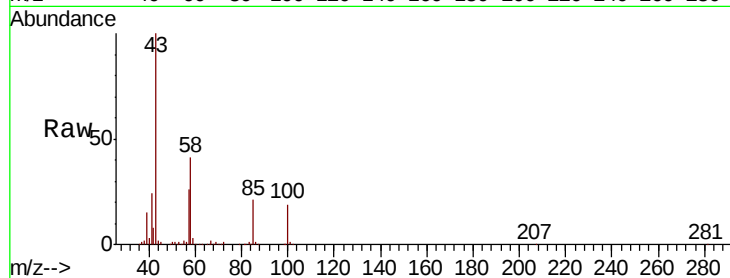
58 41.4 31.5 47.3

Manual Integrations

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#52

Toluene

Concen: 23.260 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW006526.D

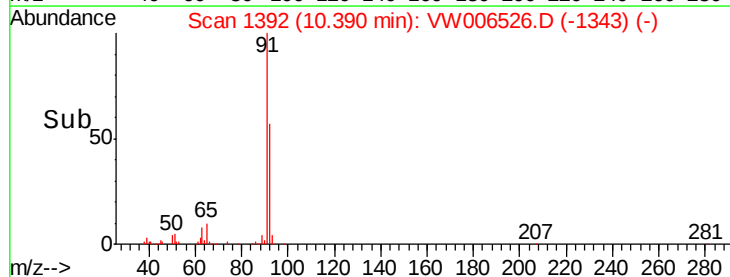
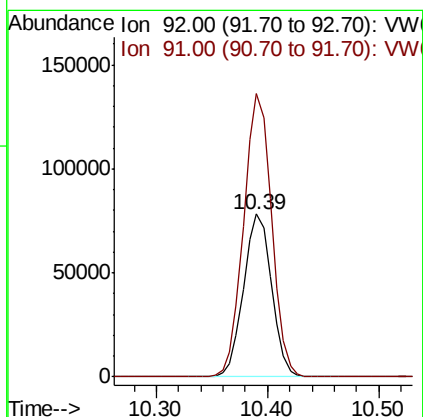
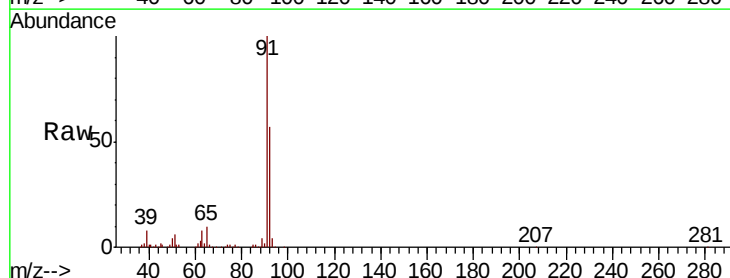
Acq: 31 Oct 2018 15:18

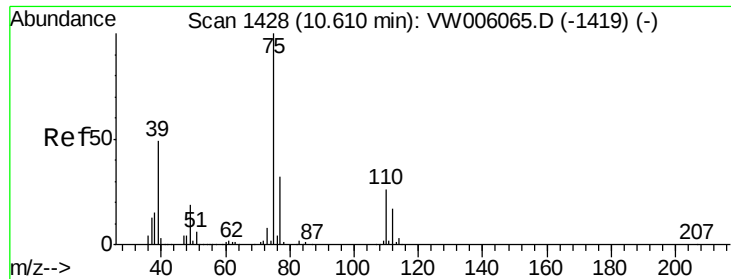
Tgt Ion: 92 Resp: 137308

Ion Ratio Lower Upper

92 100

91 173.3 140.0 210.0





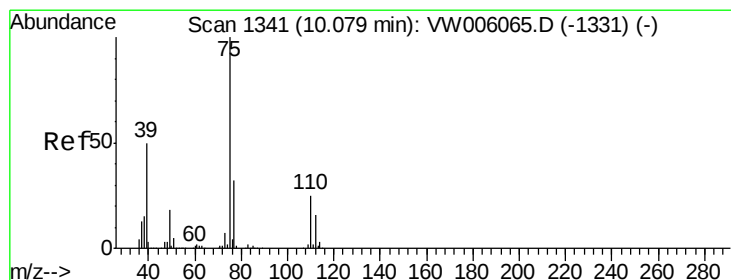
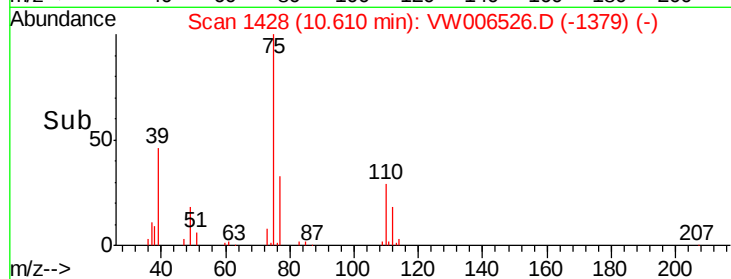
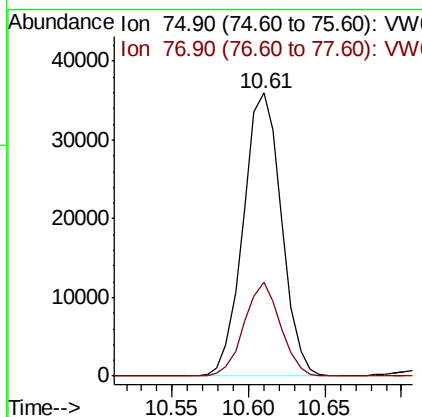
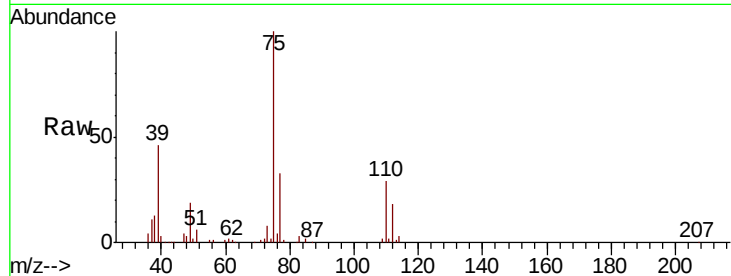
#53
t-1,3-Dichloropropene
Concen: 21.520 ug/l
RT: 10.61 min Scan# 1428
Delta R.T. 0.00 min
Lab File: VW006526.D
Acq: 31 Oct 2018 15:18

Instrument :
MSVOA_W
ClientSampleId :
VW1101SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	33.1	25.4	38.2

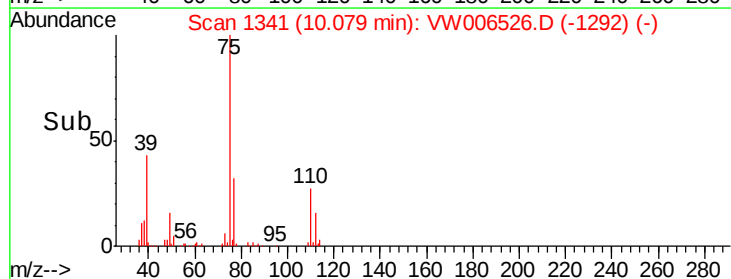
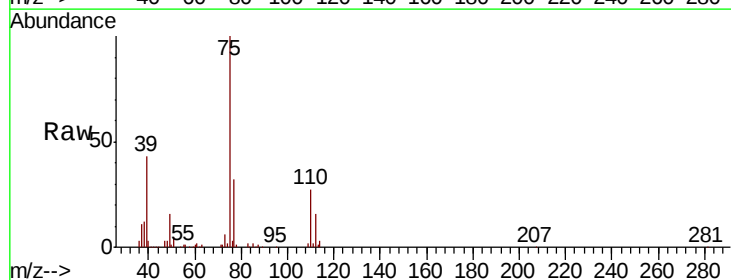
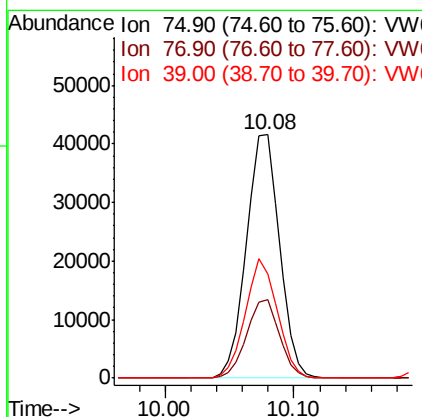
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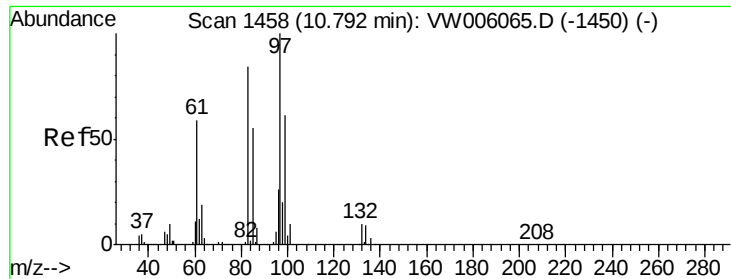
MMDadoda
11/1/2018 1:37:14 PM



#54
cis-1,3-Dichloropropene
Concen: 22.234 ug/l
RT: 10.08 min Scan# 1341
Delta R.T. 0.00 min
Lab File: VW006526.D
Acq: 31 Oct 2018 15:18

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.2	37.8
39	42.4	39.9	59.9





#55

1,1,2-Trichloroethane

Concen: 23.882 ug/l

RT: 10.79 min Scan# 1458

Delta R.T. 0.00 min

Lab File: VW006526.D

Acq: 31 Oct 2018 15:18

Instrument :

MSVOA_W

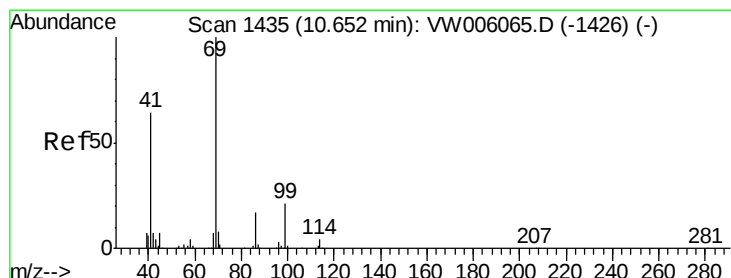
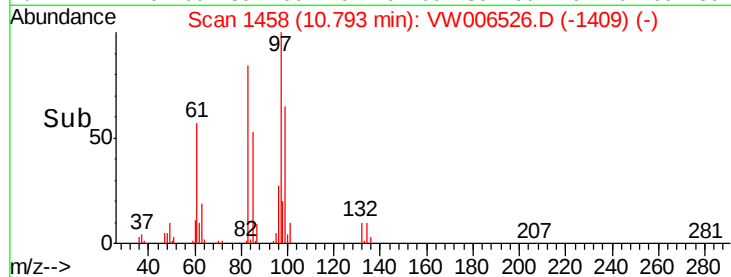
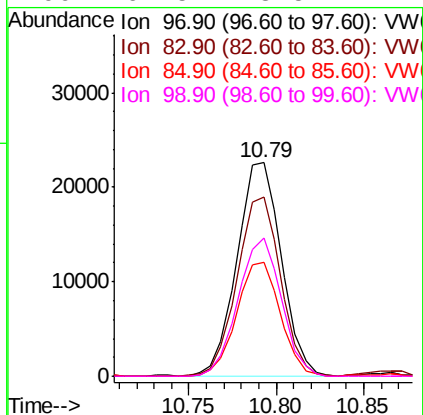
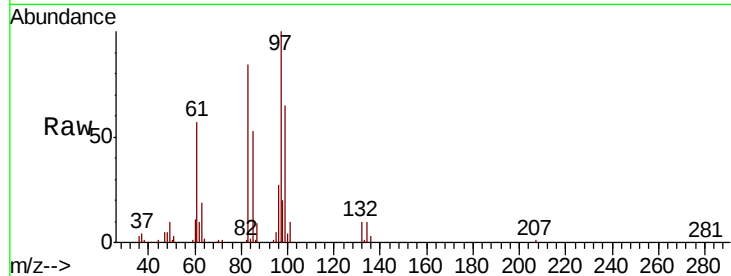
ClientSampleId :

VW1101SBSD01

Tot Ion:	97	Resp:	40134
Ion	Ratio	Lower	Upper
97	100		
83	83.6	67.2	100.8
85	53.3	43.7	65.5
99	64.5	48.5	72.7

Manual Integrations
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#56

Ethyl methacrylate

Concen: 21.568 ug/l

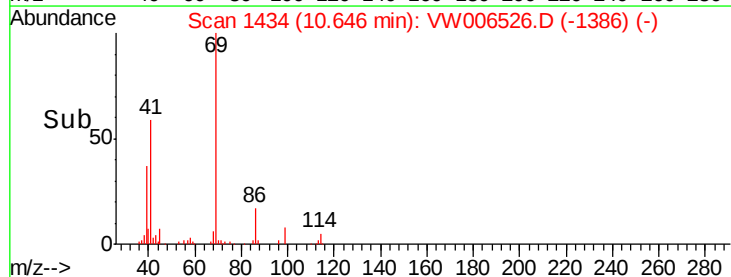
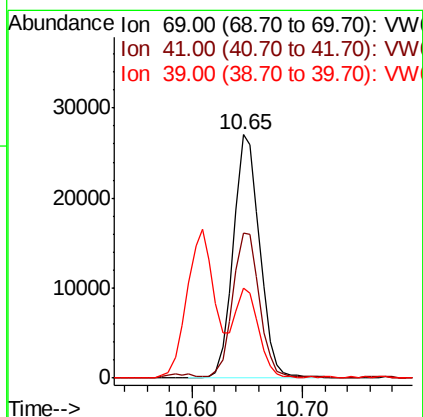
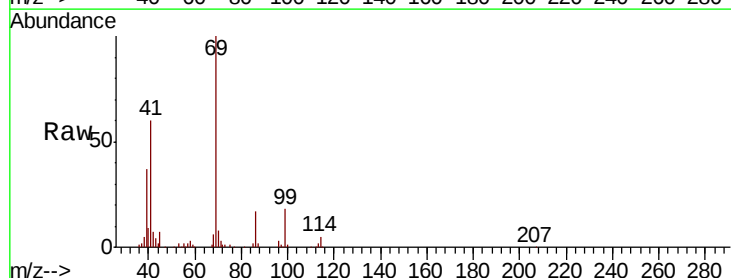
RT: 10.65 min Scan# 1434

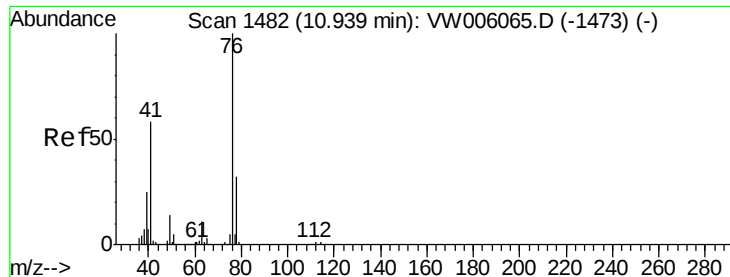
Delta R.T. -0.01 min

Lab File: VW006526.D

Acq: 31 Oct 2018 15:18

Tgt Ion:	69	Resp:	44433
Ion	Ratio	Lower	Upper
69	100		
41	61.1	52.8	79.2
39	31.2	30.6	45.8





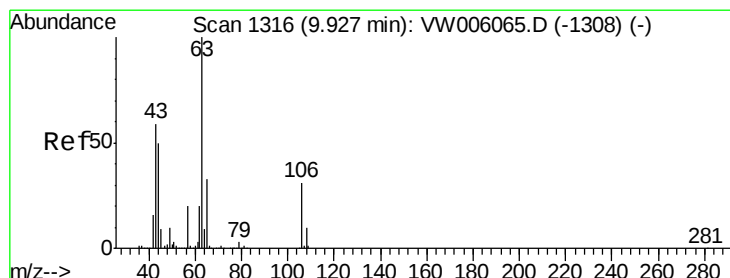
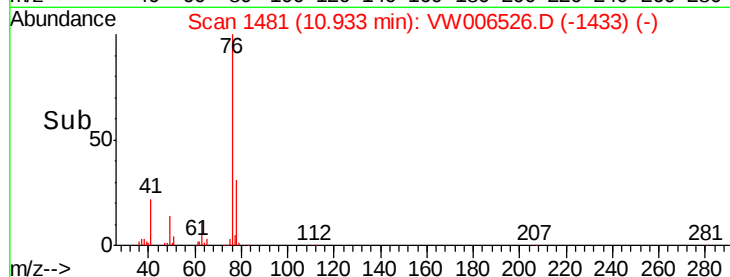
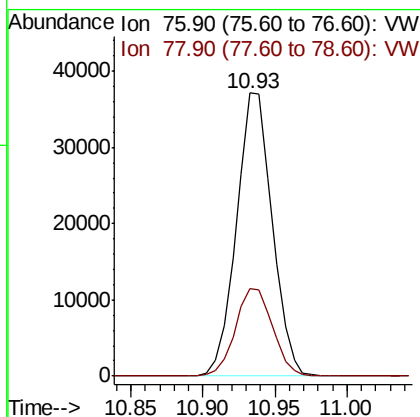
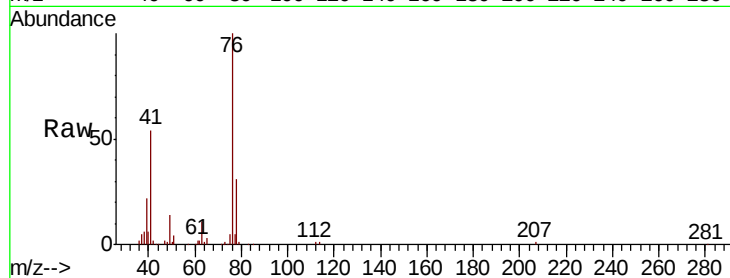
#57
 1,3-Dichloropropane
 Concen: 23.025 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.01 min
 Lab File: VW006526.D
 Acq: 31 Oct 2018 15:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1101SBS01

Tot Ion: 76 Resp: 64053
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.9 38.9

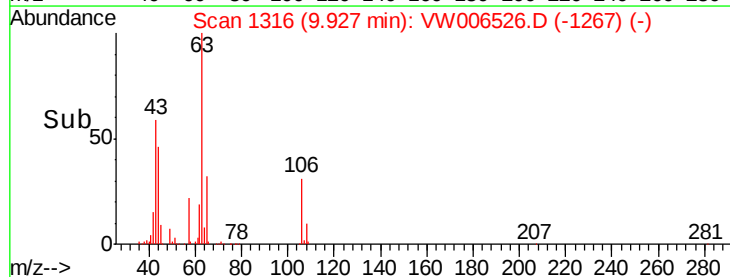
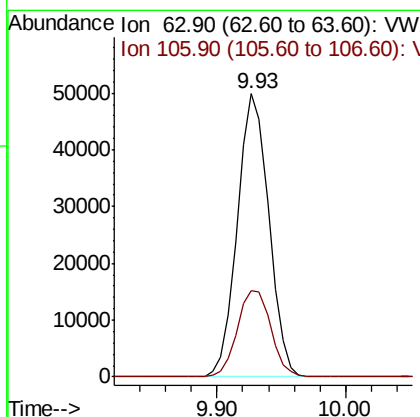
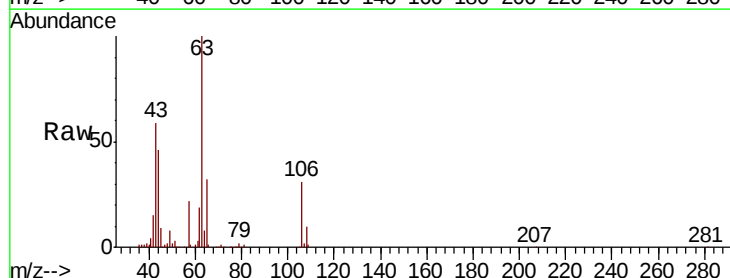
Manual Integrations
 APPROVED

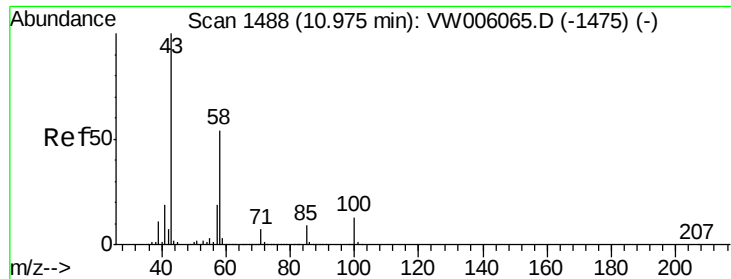
MMDadoda
 11/1/2018 1:37:14 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 107.262 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW006526.D
 Acq: 31 Oct 2018 15:18

Tgt Ion: 63 Resp: 84437
 Ion Ratio Lower Upper
 63 100
 106 32.3 24.5 36.7





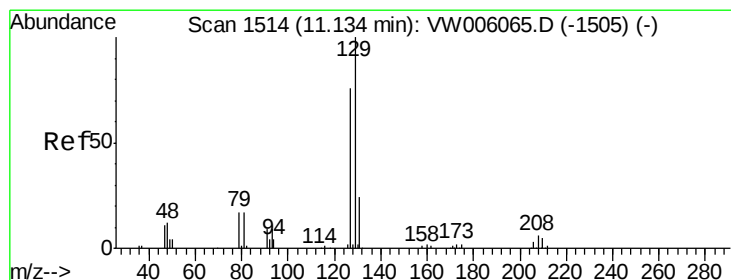
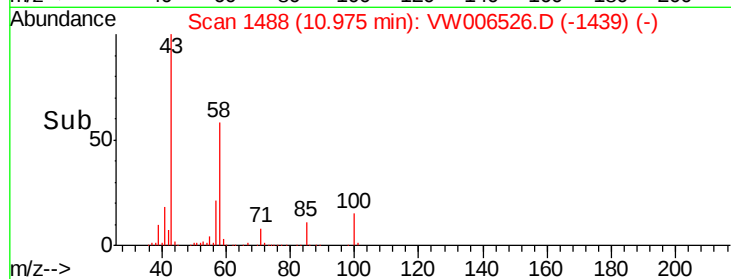
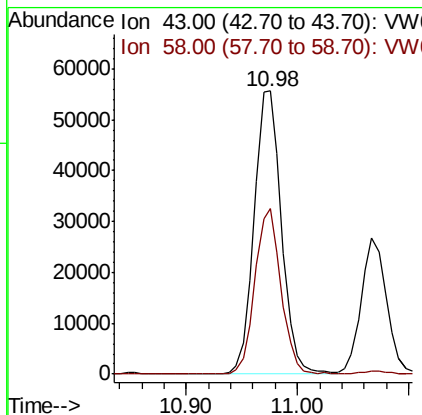
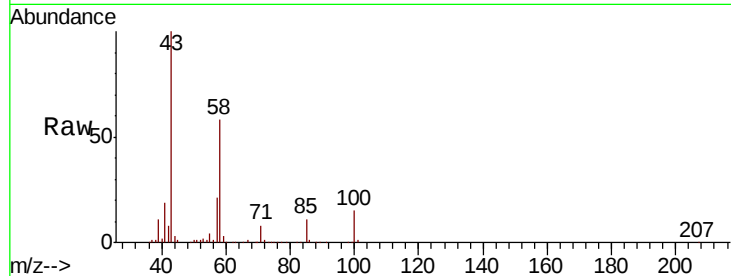
#59
2-Hexanone
Concen: 109.263 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. 0.00 min
Lab File: VW006526.D
Acq: 31 Oct 2018 15:18

Instrument :
MSVOA_W
ClientSampleId :
VW1101SBS01

Tot Ion: 43 Resp: 95291
Ion Ratio Lower Upper
43 100
58 56.0 26.9 80.6

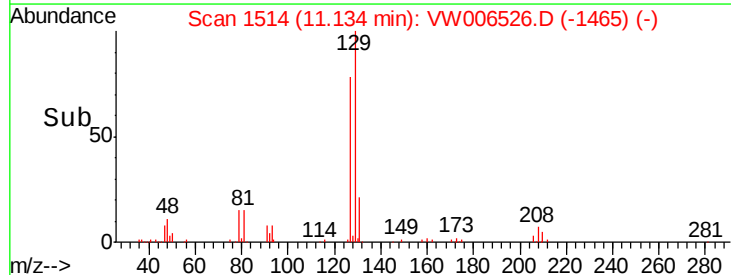
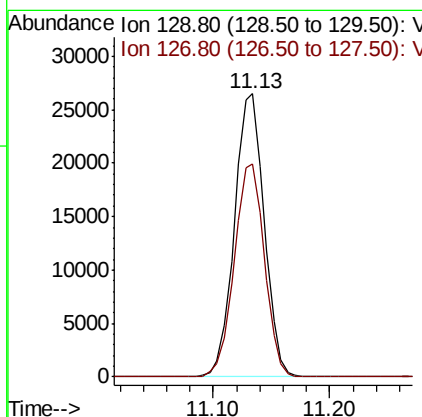
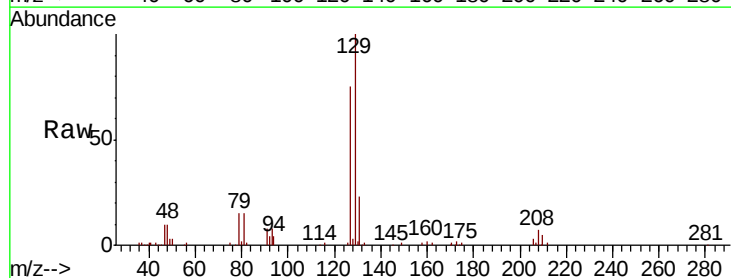
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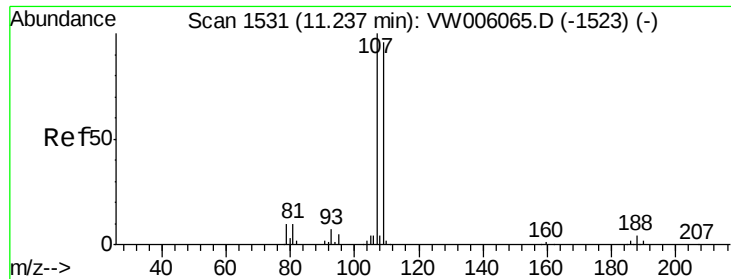
MMDadoda
11/1/2018 1:37:14 PM



#60
Dibromochloromethane
Concen: 22.599 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VW006526.D
Acq: 31 Oct 2018 15:18

Tgt Ion: 129 Resp: 47304
Ion Ratio Lower Upper
129 100
127 76.1 38.6 115.7





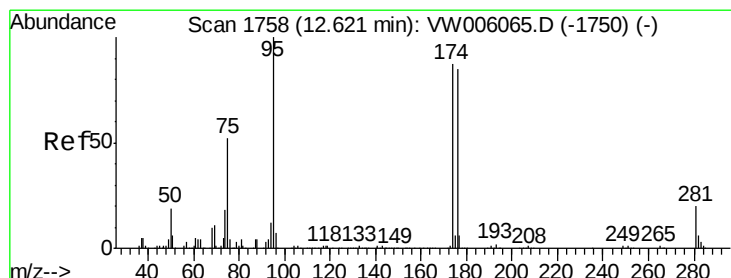
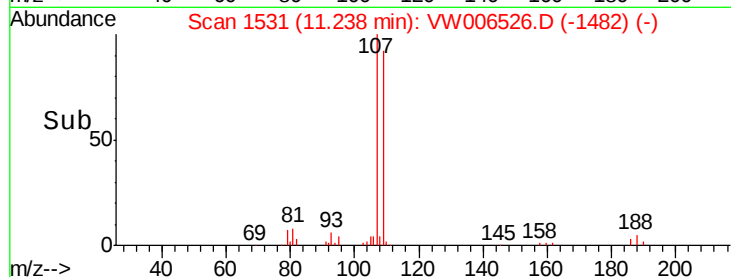
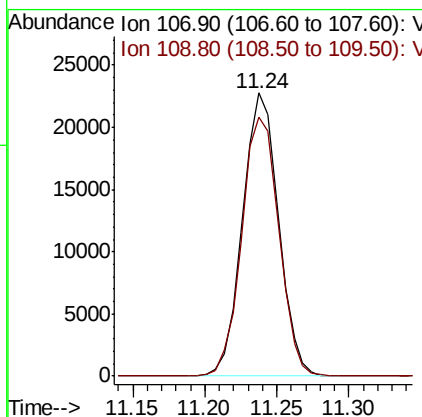
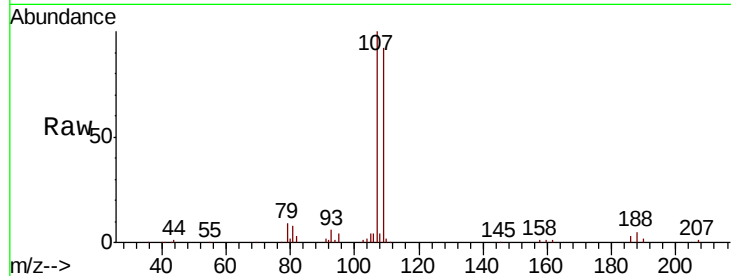
#61
 1,2-Dibromoethane
 Concen: 23.391 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW006526.D
 Acq: 31 Oct 2018 15:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1101SBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.7	76.3	114.5

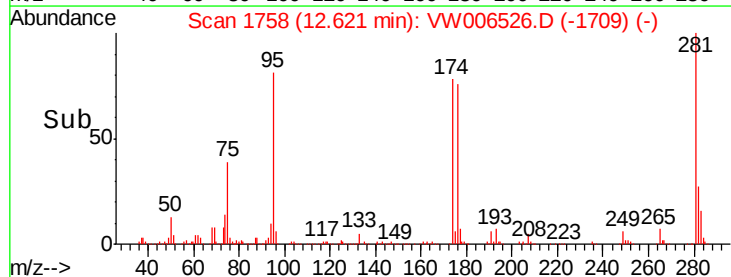
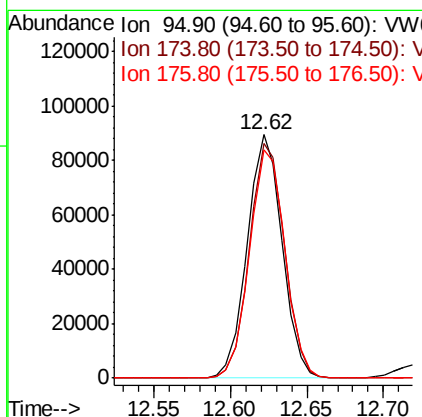
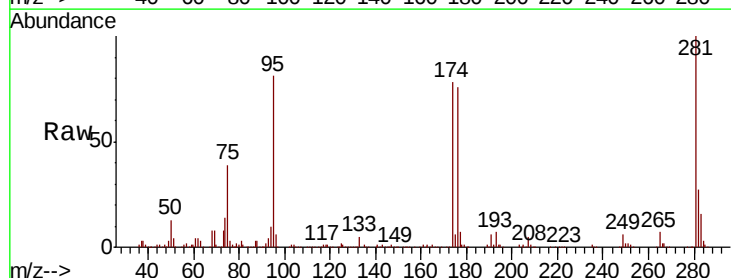
Manual Integrations
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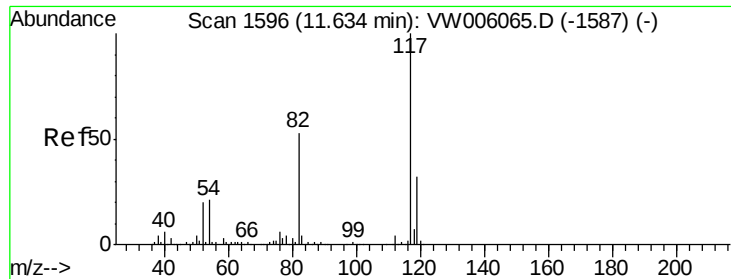
MMDadoda
 11/1/2018 1:37:14 PM



#62
 4-Bromofluorobenzene
 Concen: 48.310 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW006526.D
 Acq: 31 Oct 2018 15:18

Tgt Ion	Ratio	Lower	Upper
95	100		
174	97.3	0.0	186.0
176	95.5	0.0	181.6





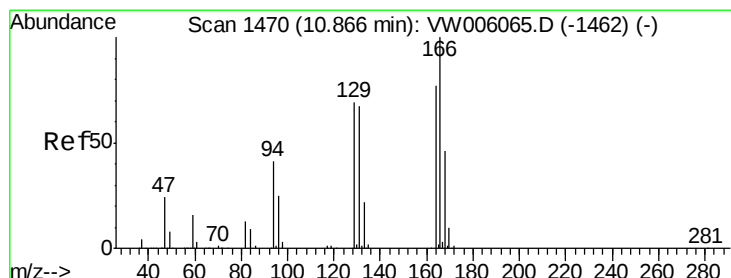
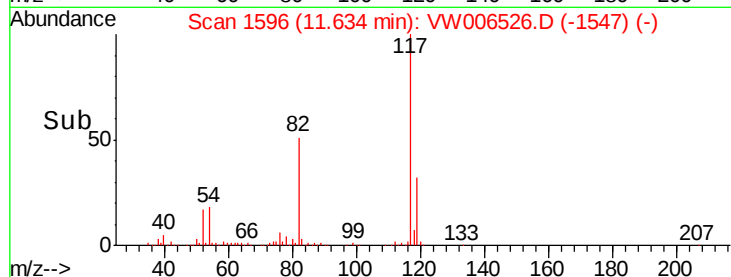
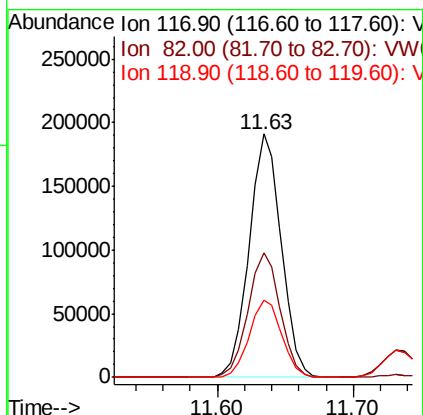
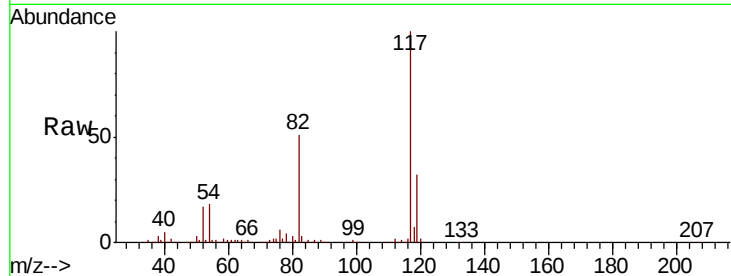
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006526.D
Acq: 31 Oct 2018 15:18

Instrument :
MSVOA_W
ClientSampled :
VW1101SBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.3	42.1	63.1
119	31.5	25.8	38.6

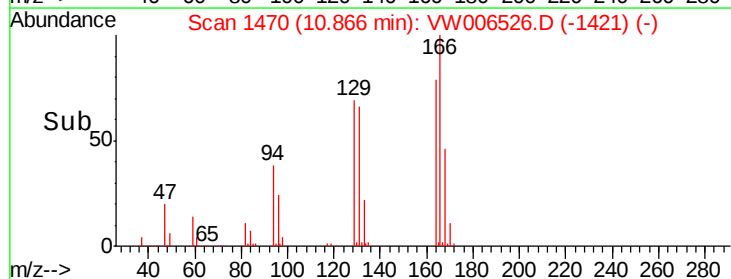
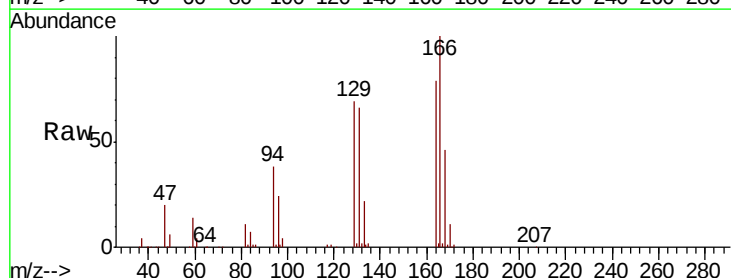
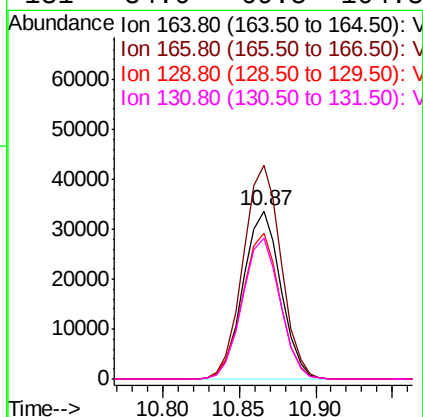
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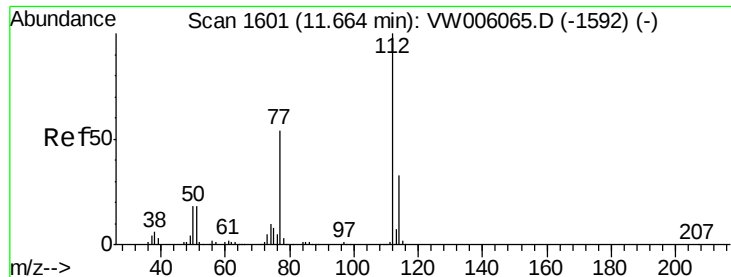
MMDadoda
11/1/2018 1:37:14 PM



#64
Tetrachloroethene
Concen: 23.564 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW006526.D
Acq: 31 Oct 2018 15:18

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.9	103.4	155.0
129	87.0	71.8	107.8
131	84.0	69.5	104.3





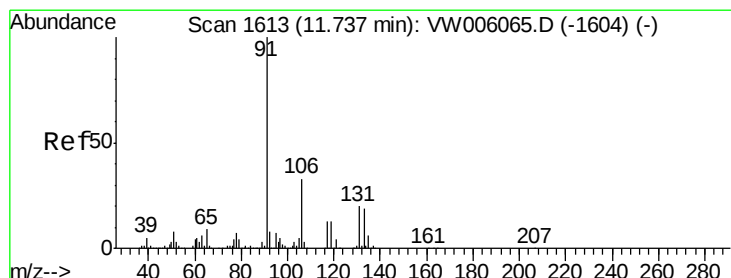
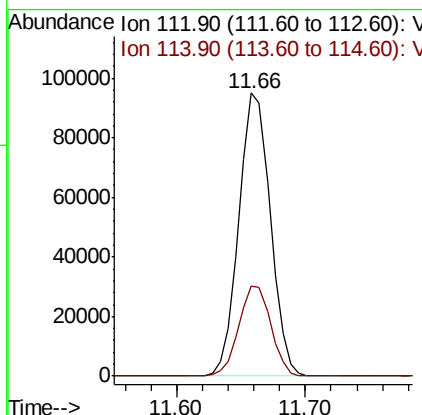
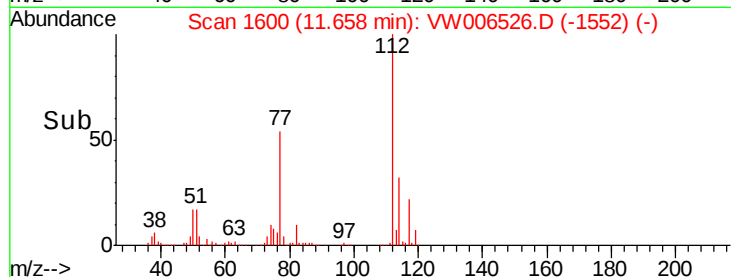
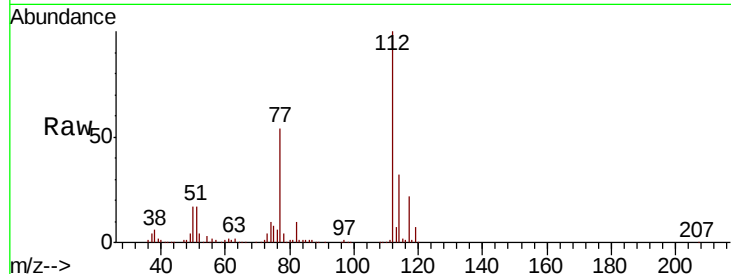
#65
Chlorobenzene
Concen: 23.808 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VW006526.D
Acq: 31 Oct 2018 15:18

Instrument :
MSVOA_W
ClientSampleId :
VW1101SBSD01

Tot Ion:112 Resp: 160846
Ion Ratio Lower Upper
112 100
114 31.7 26.2 39.2

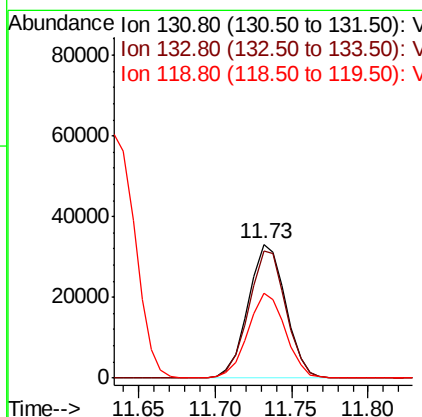
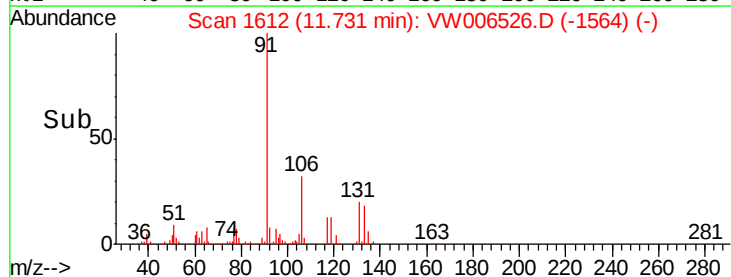
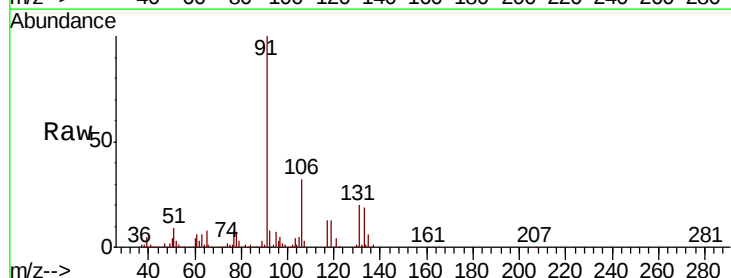
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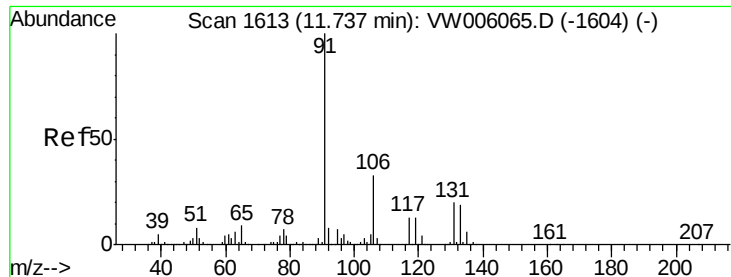
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 23.546 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.01 min
Lab File: VW006526.D
Acq: 31 Oct 2018 15:18

Tgt Ion:131 Resp: 56532
Ion Ratio Lower Upper
131 100
133 94.6 48.1 144.3
119 63.4 31.6 94.7





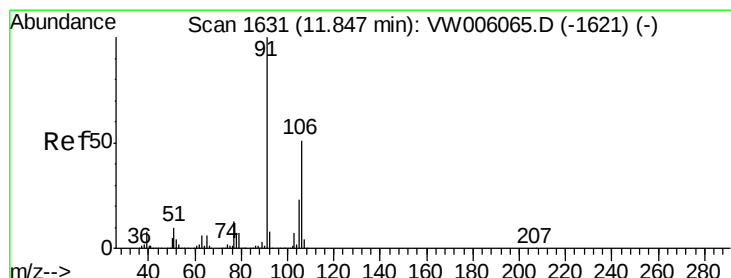
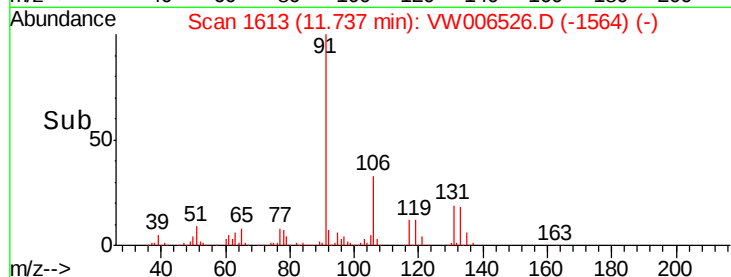
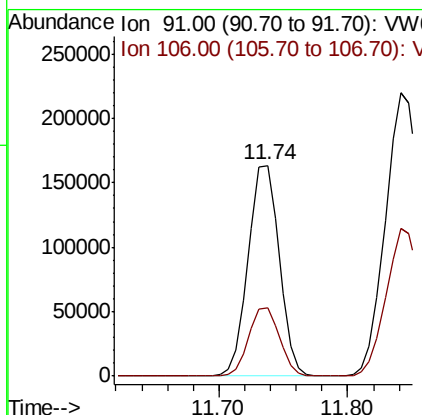
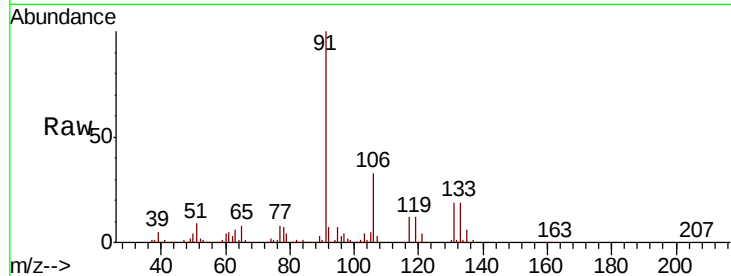
#67
Ethyl Benzene
Concen: 23.239 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.00 min
Lab File: VW006526.D
Acq: 31 Oct 2018 15:18

Instrument :
MSVOA_W
ClientSampleId :
VW1101SBS01

Tot Ion: 91 Resp: 272091
Ion Ratio Lower Upper
91 100
106 32.7 26.1 39.1

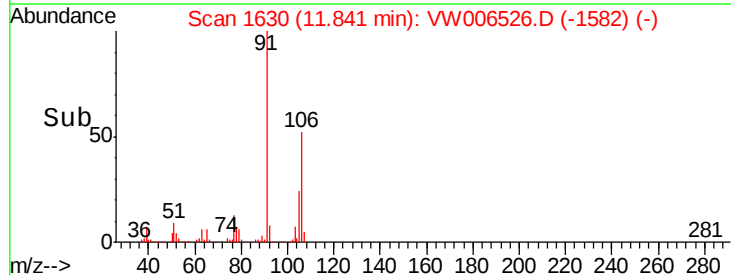
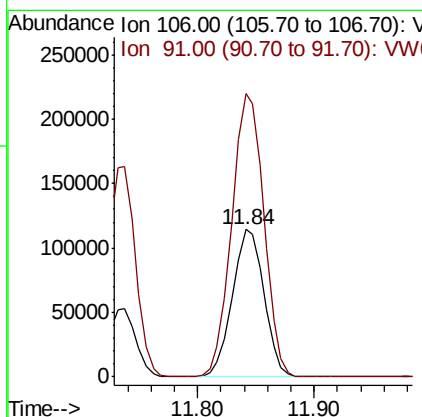
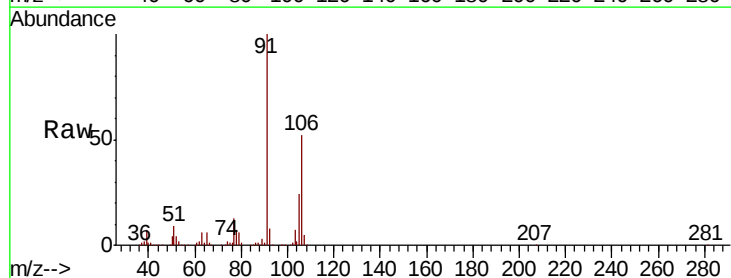
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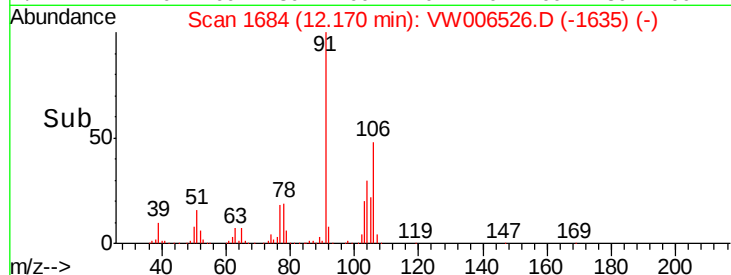
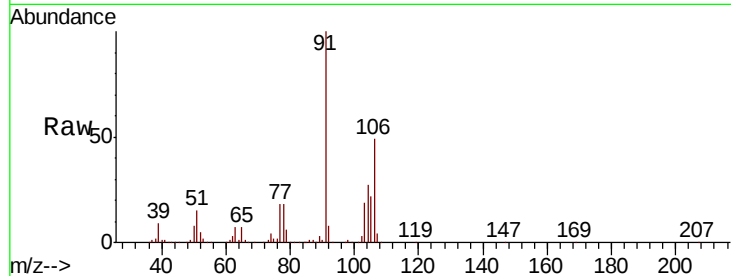
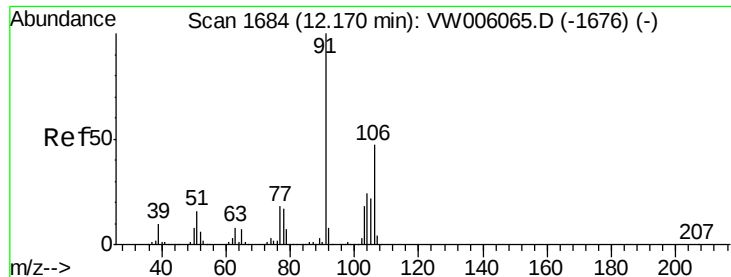
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11/1/2018 1:37:14 PM



#68
m/p-Xylenes
Concen: 46.731 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.01 min
Lab File: VW006526.D
Acq: 31 Oct 2018 15:18

Tgt Ion: 106 Resp: 216262
Ion Ratio Lower Upper
106 100
91 195.2 159.1 238.7





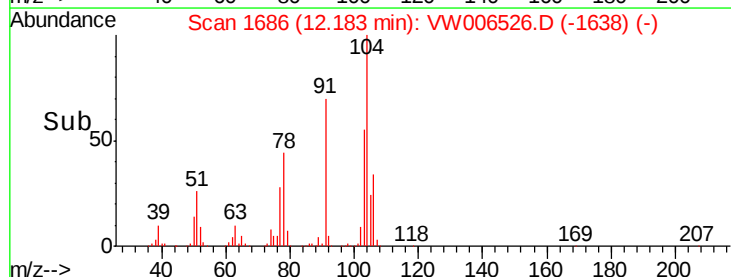
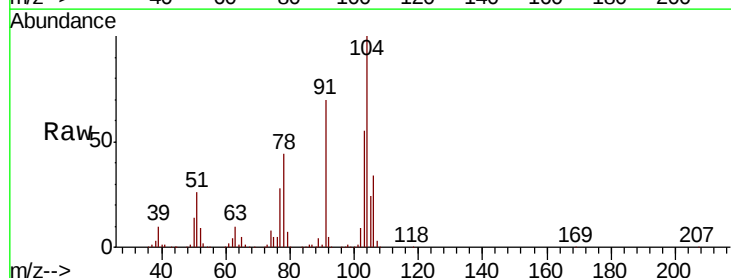
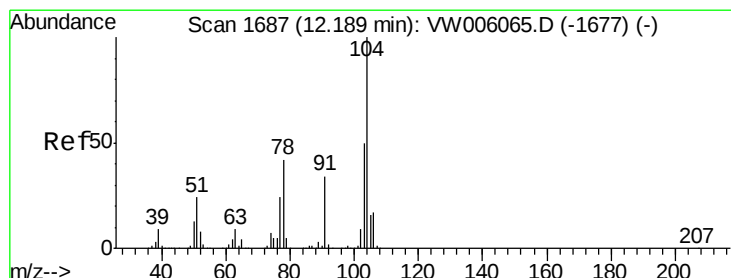
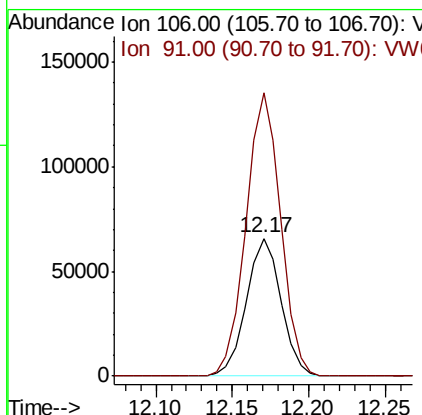
#69
o-Xylene
Concen: 23.511 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW006526.D
Acq: 31 Oct 2018 15:18

Tot Ion:106 Resp: 103692
Ion Ratio Lower Upper
106 100
91 205.2 105.4 316.1

Instrument :
MSVOA_W
ClientSampleId :
VW1101SBS01

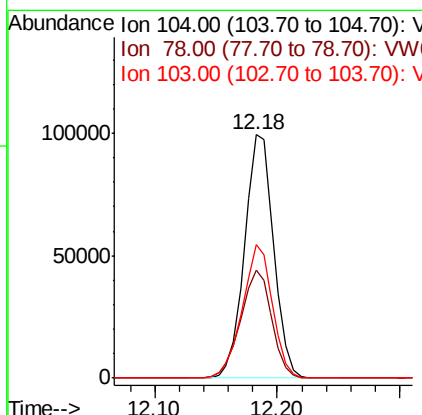
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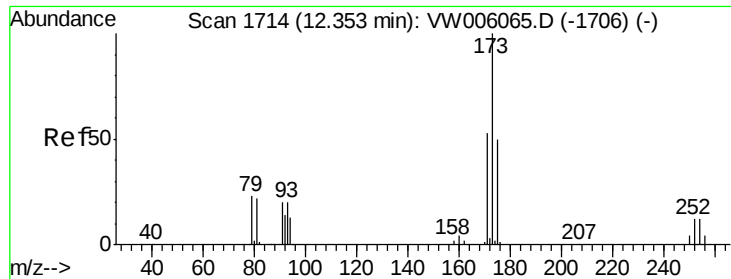
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#70
Styrene
Concen: 22.920 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.01 min
Lab File: VW006526.D
Acq: 31 Oct 2018 15:18

Tgt Ion:104 Resp: 164384
Ion Ratio Lower Upper
104 100
78 47.3 39.1 58.7
103 56.4 44.3 66.5





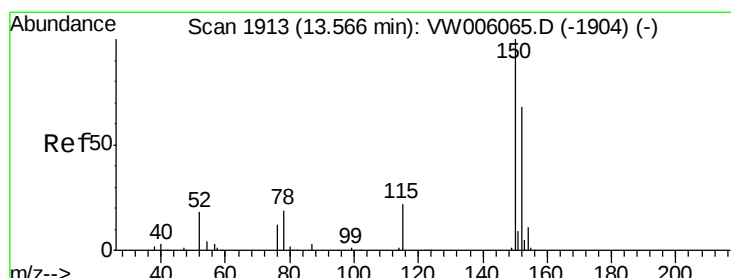
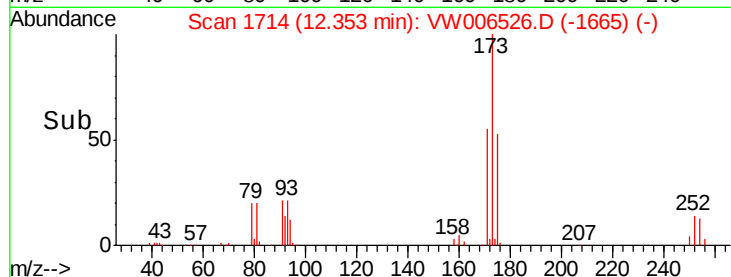
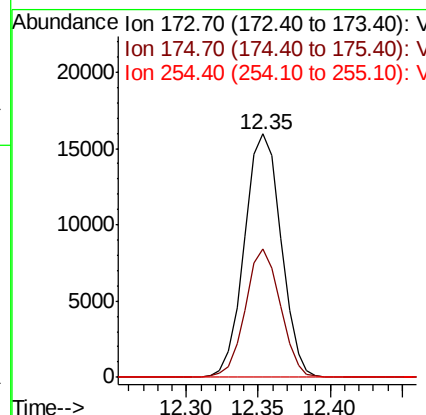
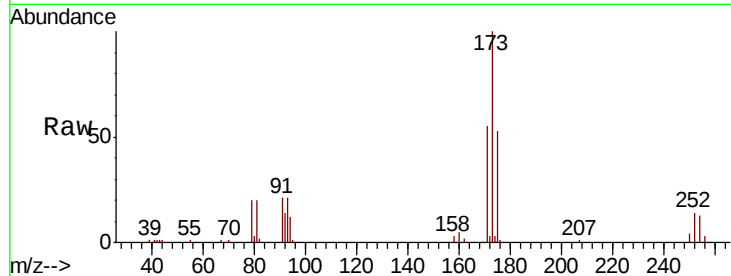
#71
Bromoform
Concen: 21.003 ug/l
RT: 12.35 min Scan# 1714
Delta R.T. 0.00 min
Lab File: VW006526.D
Acq: 31 Oct 2018 15:18

Instrument :
MSVOA_W
ClientSampleId :
VW1101SBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.3	24.2	72.6
254	0.0	0.1	0.1#

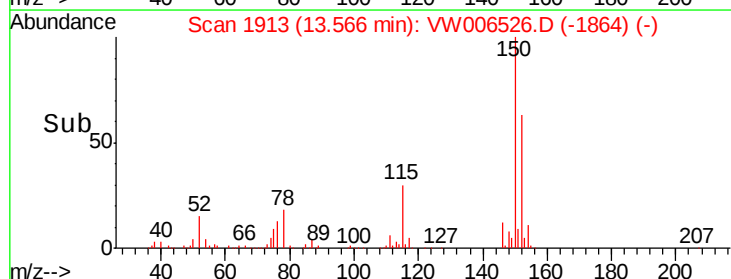
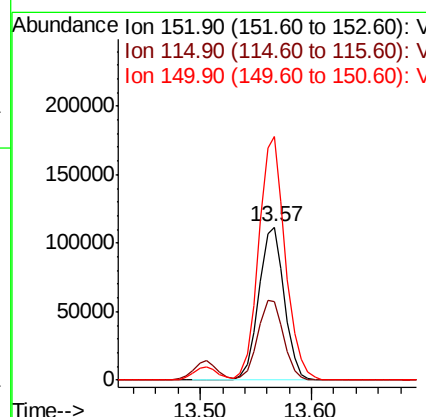
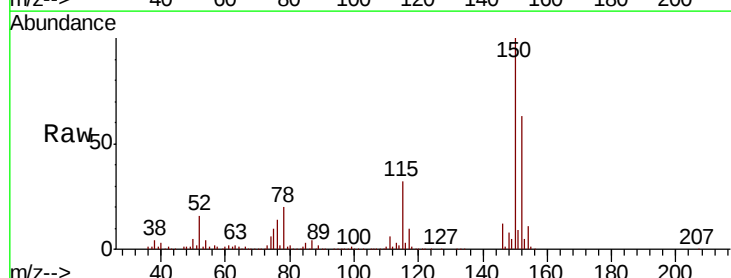
Manual Integrations
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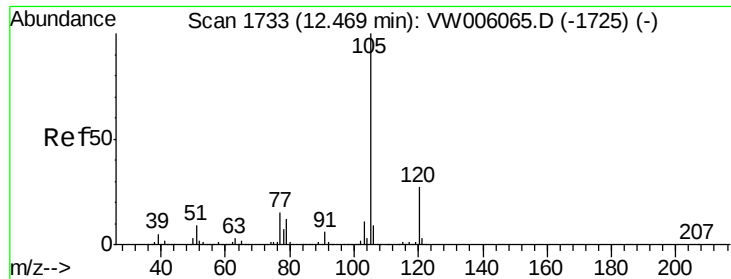
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. 0.00 min
Lab File: VW006526.D
Acq: 31 Oct 2018 15:18

Tgt Ion	Ratio	Lower	Upper
152	100		
115	52.8	27.8	83.3
150	164.7	0.0	349.2





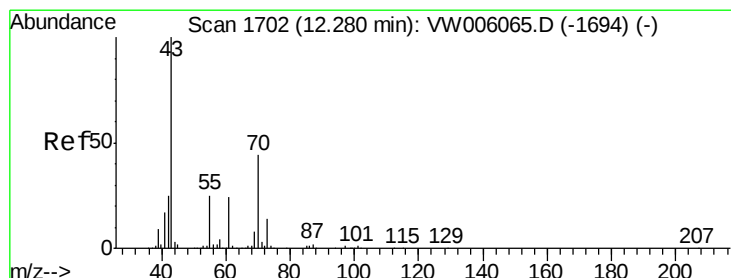
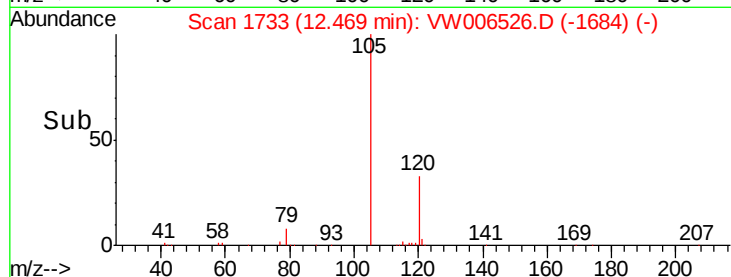
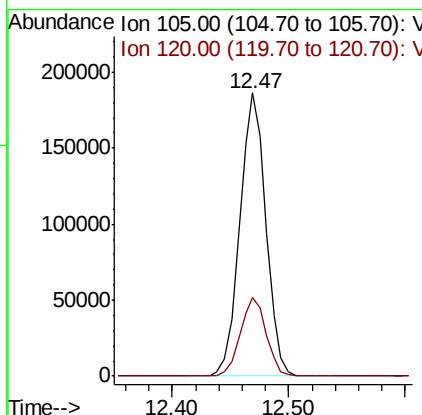
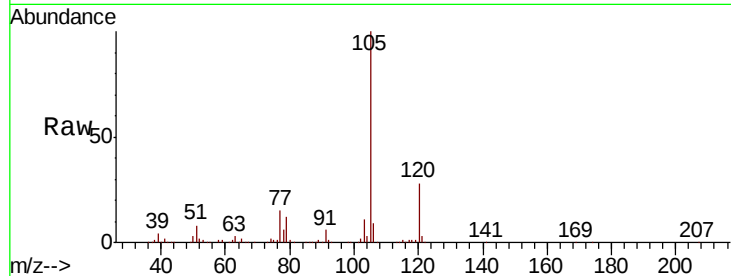
#73
Isopropylbenzene
Concen: 22.887 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VW006526.D
Acq: 31 Oct 2018 15:18

Instrument :
MSVOA_W
ClientSampleId :
VW1101SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.6	13.6	40.7

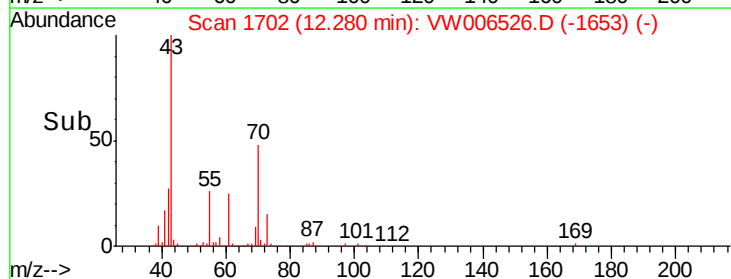
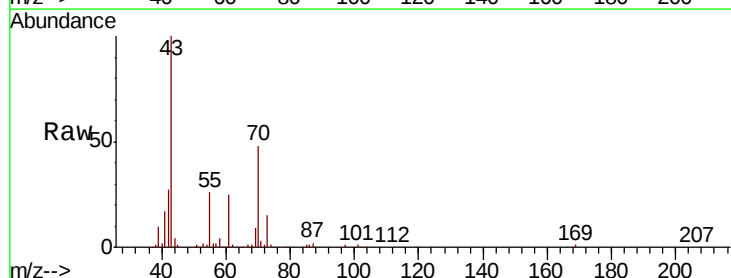
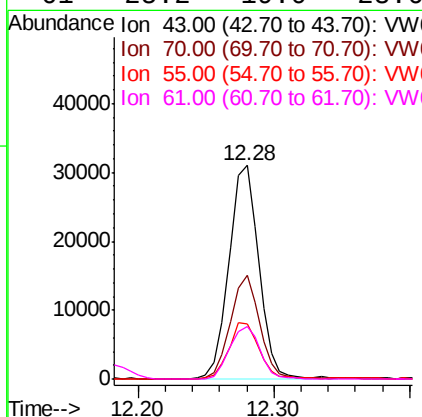
Manual Integrations
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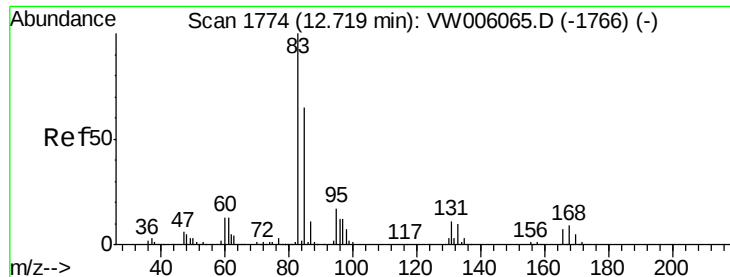
MMDadoda
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#74
N-ethyl acetate
Concen: 19.408 ug/l
RT: 12.28 min Scan# 1702
Delta R.T. 0.00 min
Lab File: VW006526.D
Acq: 31 Oct 2018 15:18

Tgt Ion	Ratio	Lower	Upper
43	100		
70	47.4	34.2	51.4
55	27.0	19.2	28.8
61	25.2	19.0	28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 22.987 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW006526.D

Acq: 31 Oct 2018 15:18

Instrument :

MSVOA_W

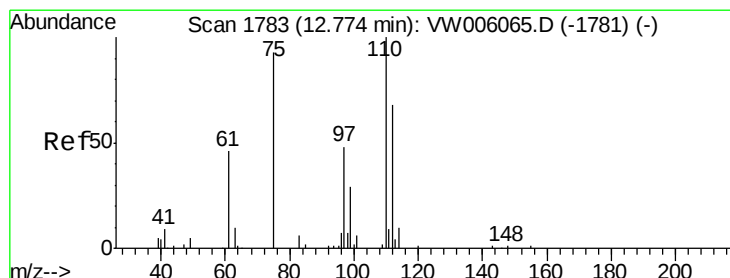
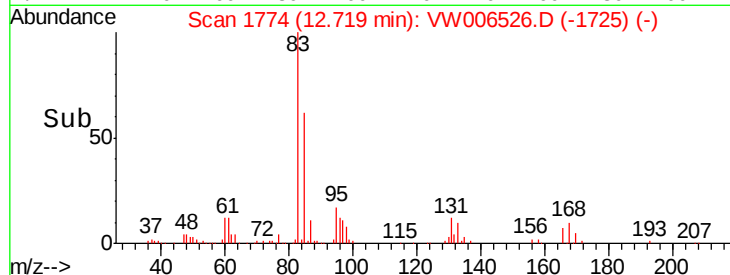
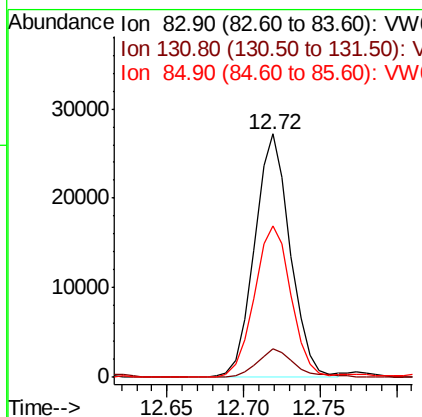
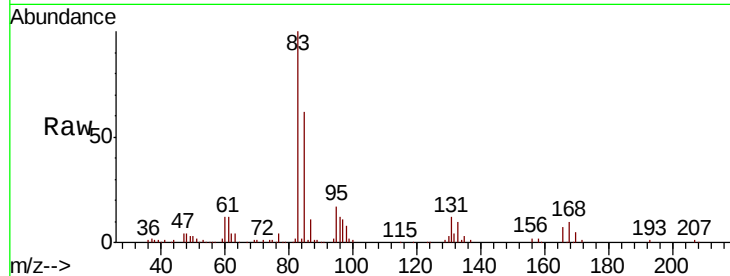
ClientSampleId :

VW1101SBSD01

Tot Ion:	83	Resp:	44152
Ion Ratio	Lower	Upper	
83	100		
131	12.2	5.9	17.7
85	63.8	31.9	95.9

Manual Integrations
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11/1/2018 1:37:14 PM



#76

1,2,3-Trichloropropane

Concen: 25.021 ug/l m

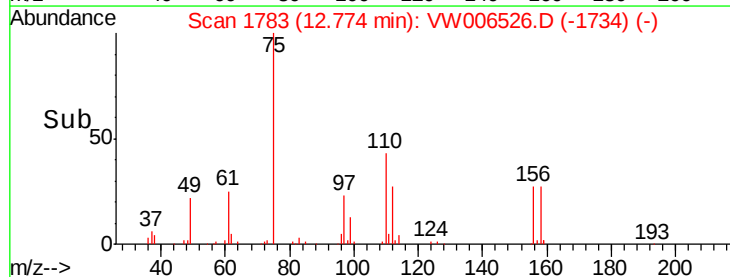
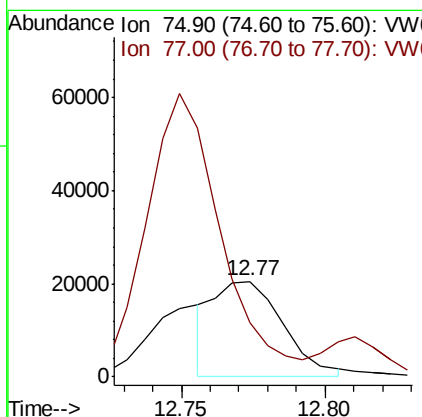
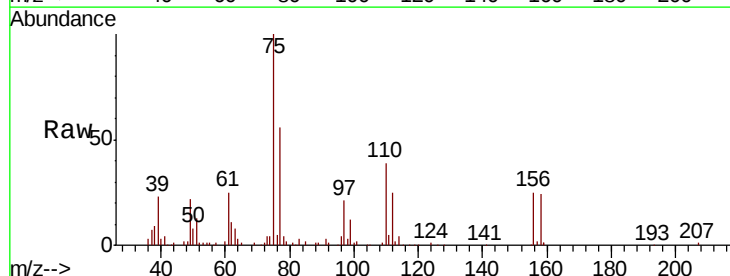
RT: 12.77 min Scan# 1783

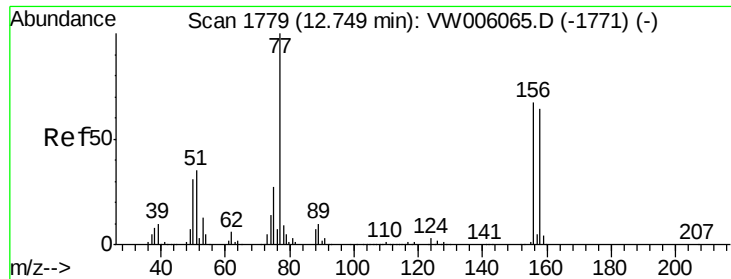
Delta R.T. 0.00 min

Lab File: VW006526.D

Acq: 31 Oct 2018 15:18

Tgt Ion:	75	Resp:	34161
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 23.602 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW006526.D

Acq: 31 Oct 2018 15:18

Instrument :

MSVOA_W

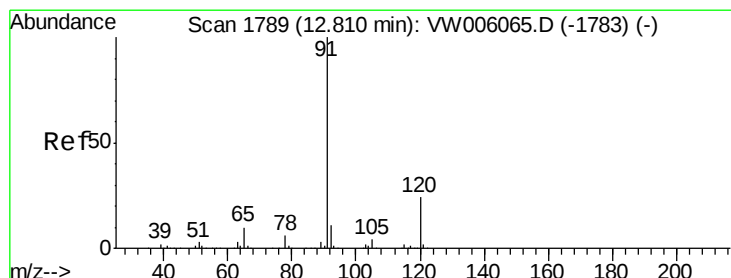
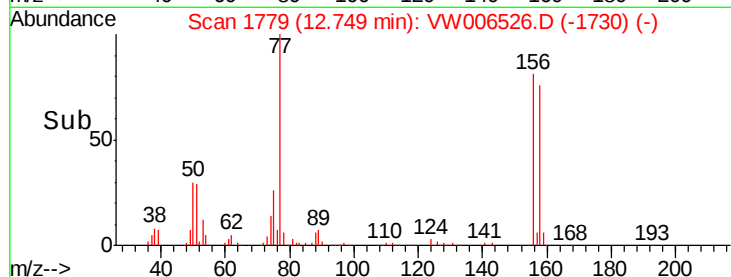
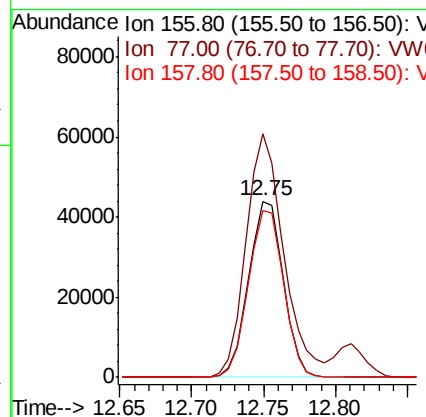
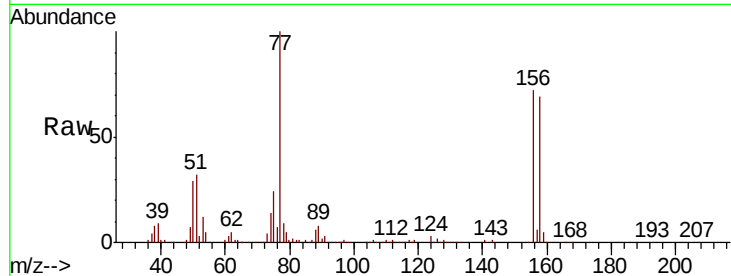
ClientSampleId :

VW1101SBSD01

Tot Ion:	156	Resp:	73004
Ion	Ratio	Lower	Upper
156	100		
77	151.2	79.1	237.4
158	96.5	48.5	145.6

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#78

n-propylbenzene

Concen: 22.831 ug/l

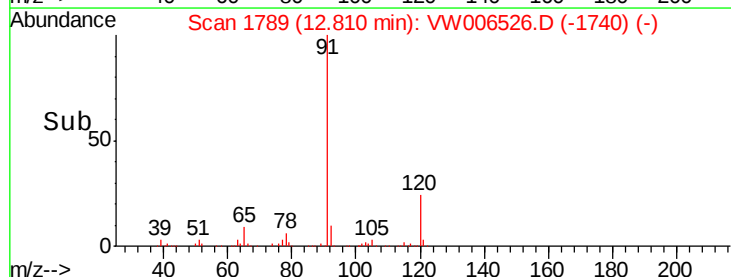
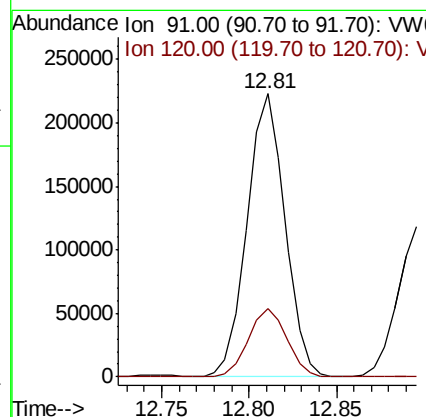
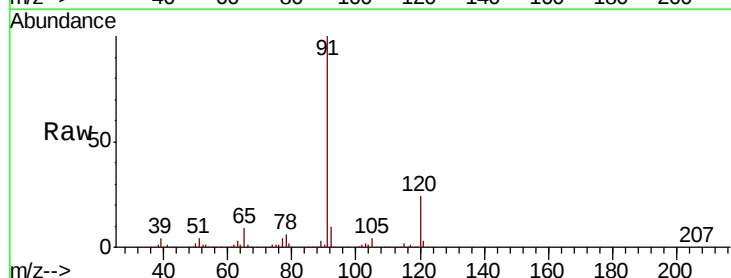
RT: 12.81 min Scan# 1789

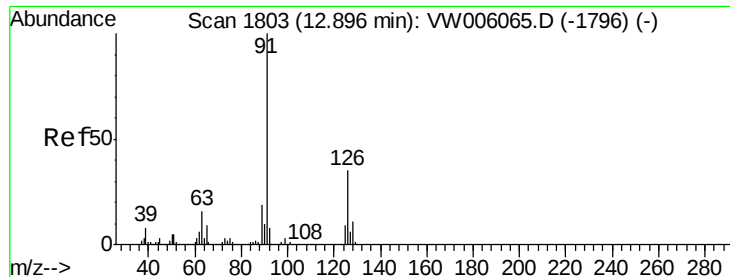
Delta R.T. 0.00 min

Lab File: VW006526.D

Acq: 31 Oct 2018 15:18

Tgt Ion:	91	Resp:	335425
Ion	Ratio	Lower	Upper
91	100		
120	24.7	12.2	36.6





#79

2-Chlorotoluene

Concen: 22.883 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW006526.D

Acq: 31 Oct 2018 15:18

Instrument :

MSVOA_W

ClientSampled :

VW1101SBSD01

Tot Ion: 91 Resp: 188892

Ion Ratio Lower Upper

91 100

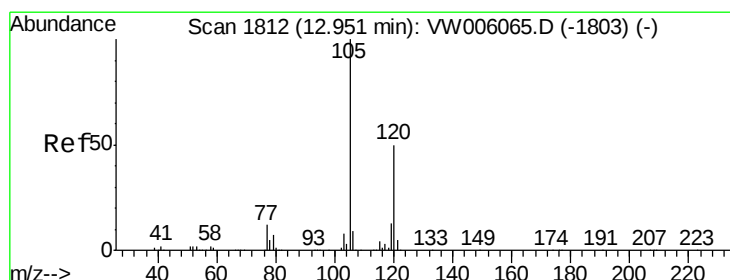
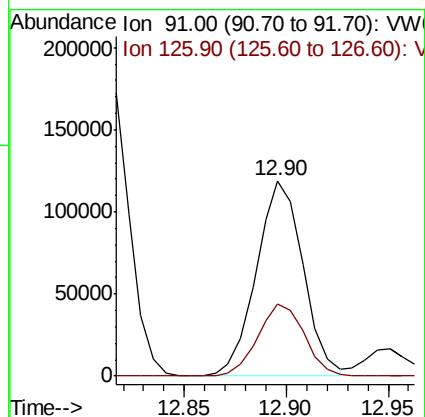
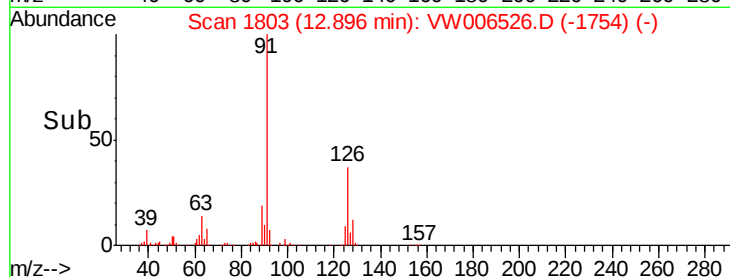
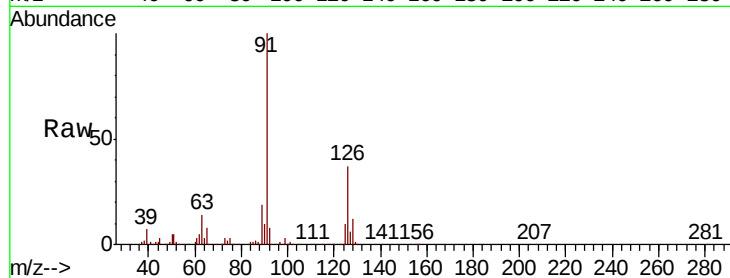
126 37.2 17.9 53.8

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#80

1,3,5-Trimethylbenzene

Concen: 22.879 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. 0.00 min

Lab File: VW006526.D

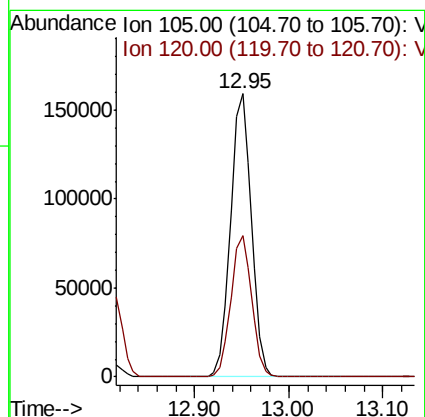
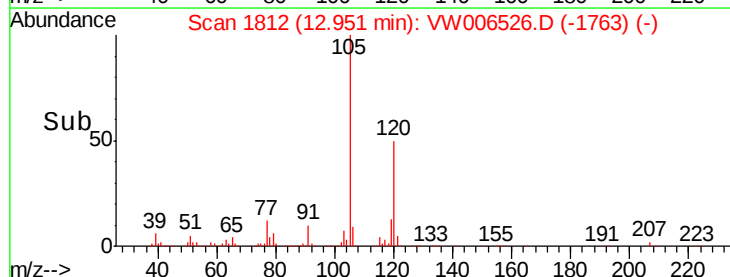
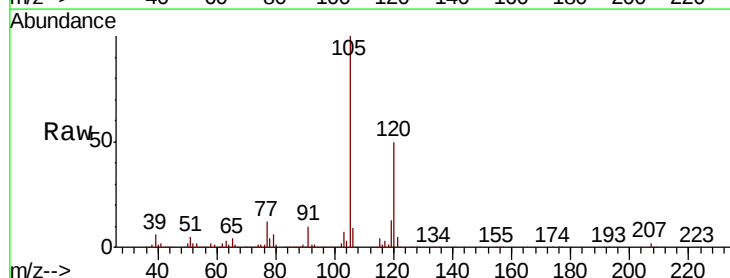
Acq: 31 Oct 2018 15:18

Tgt Ion:105 Resp: 243566

Ion Ratio Lower Upper

105 100

120 50.0 24.9 74.6





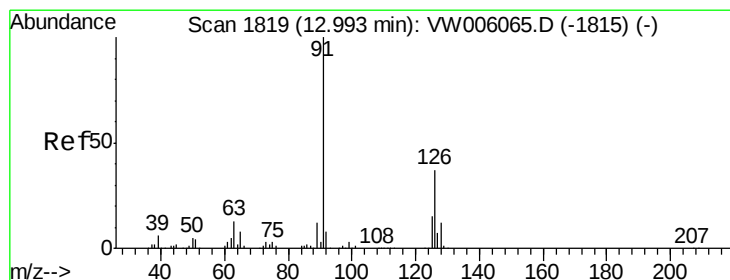
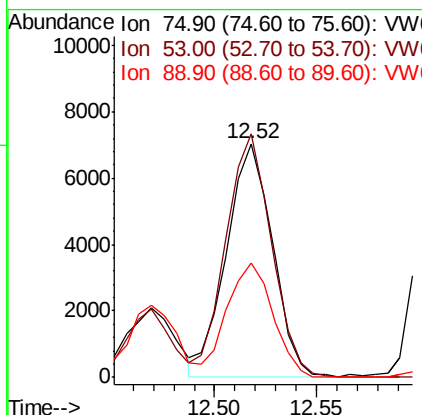
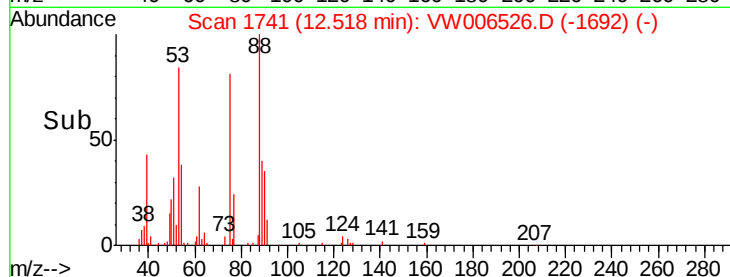
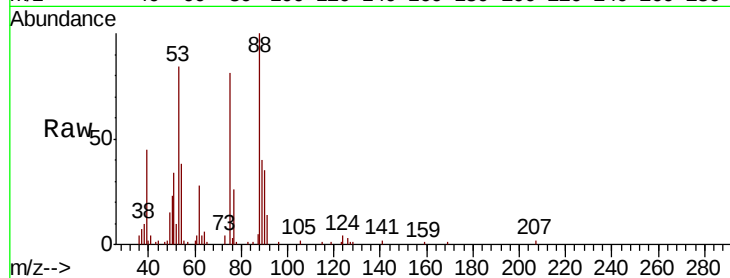
#81
trans-1,4-Dichloro-2-butene
Concen: 19.336 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VW006526.D
Acq: 31 Oct 2018 15:18

Instrument :
MSVOA_W
ClientSampleId :
VW1101SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	103.5	79.8	119.6
89	48.4	37.5	56.3

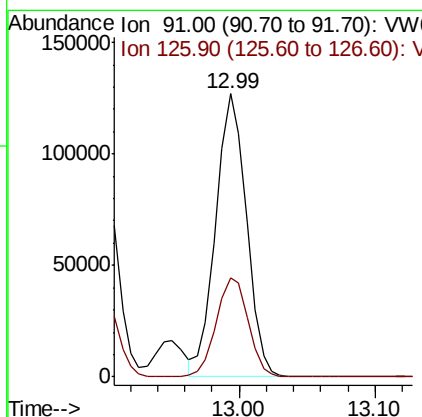
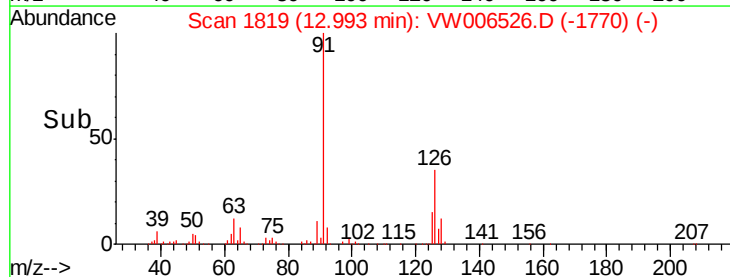
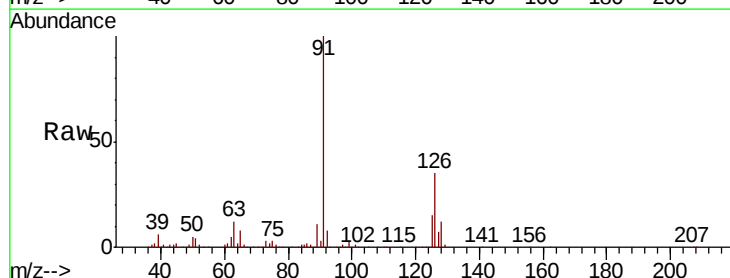
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#82
4-Chlorotoluene
Concen: 23.054 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW006526.D
Acq: 31 Oct 2018 15:18

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.3	18.1	54.3





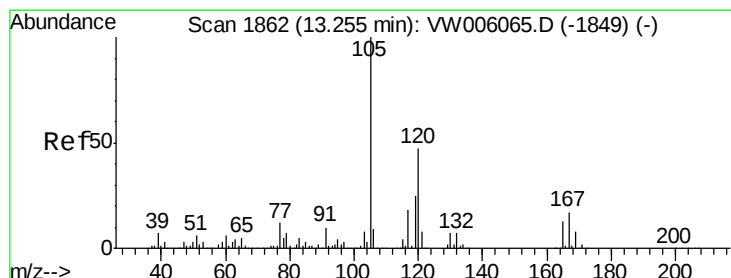
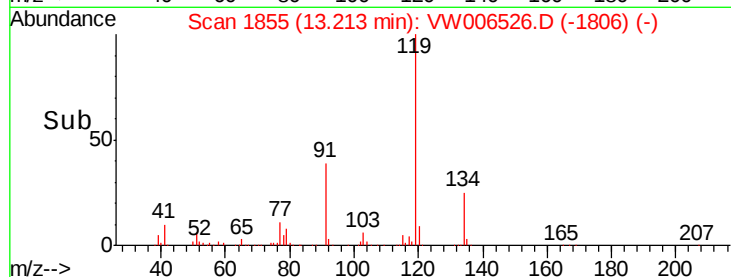
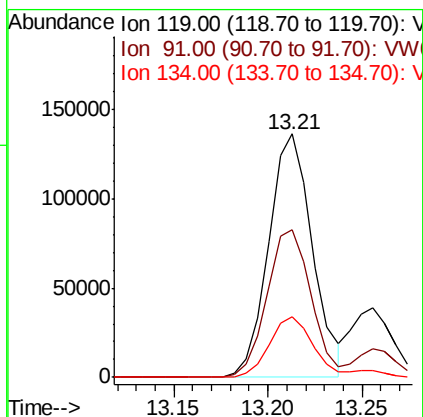
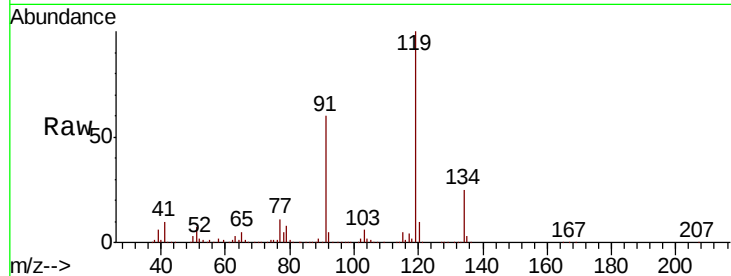
#83
tert-Butylbenzene
Concen: 23.053 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. 0.00 min
Lab File: VW006526.D
Acq: 31 Oct 2018 15:18

Instrument :
MSVOA_W
ClientSampleId :
VW1101SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	219581		
91	60.9	32.3	96.9	
134	25.2	13.6	40.8	

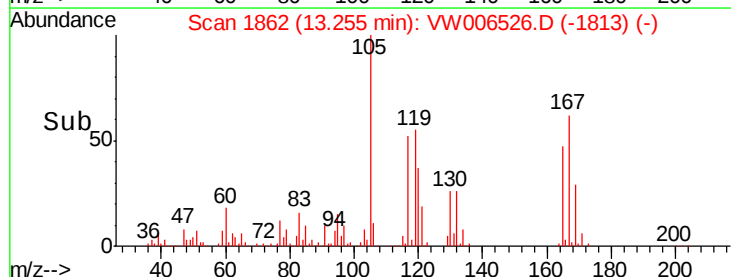
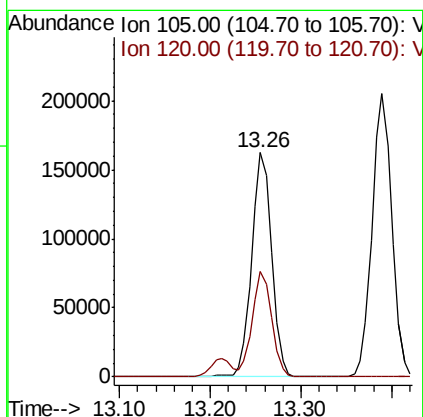
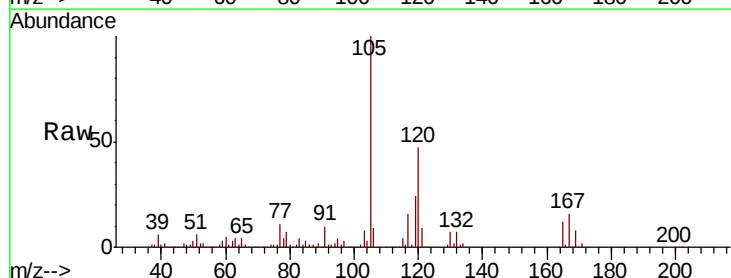
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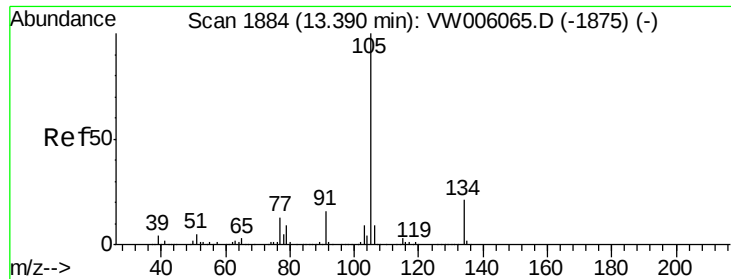
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#84
1,2,4-Trimethylbenzene
Concen: 23.083 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW006526.D
Acq: 31 Oct 2018 15:18

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	248663		
120	45.7	23.1	69.3	





#85

sec-Butylbenzene

Concen: 22.982 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VW006526.D

Acq: 31 Oct 2018 15:18

Instrument :

MSVOA_W

ClientSampleId :

VW1101SBS01

Tot Ion:105 Resp: 309248

Ion Ratio Lower Upper

105 100

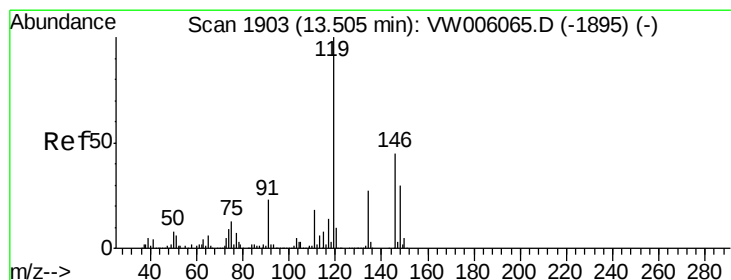
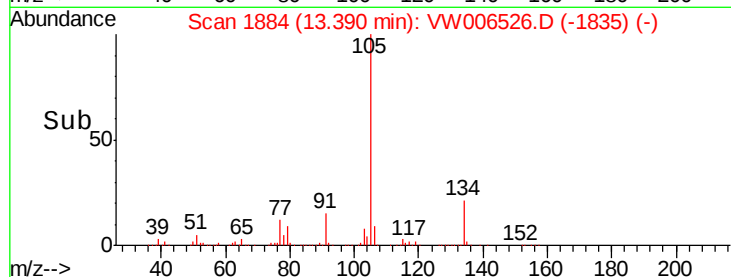
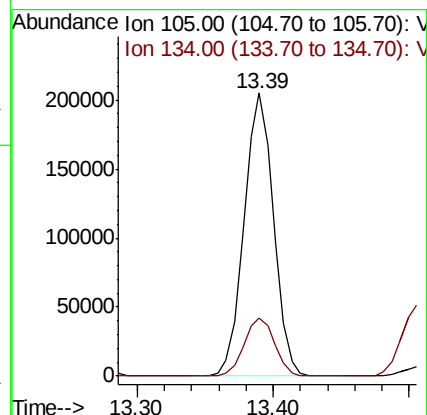
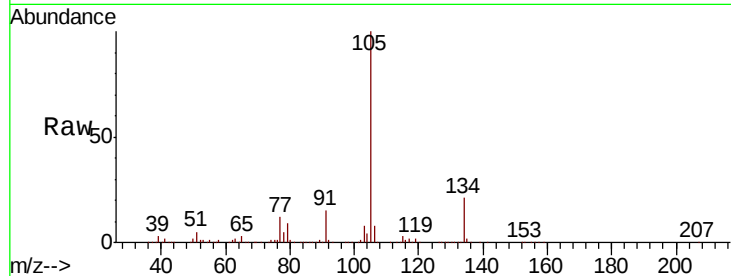
134 21.4 10.5 31.6

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#86

p-Isopropyltoluene

Concen: 22.967 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW006526.D

Acq: 31 Oct 2018 15:18

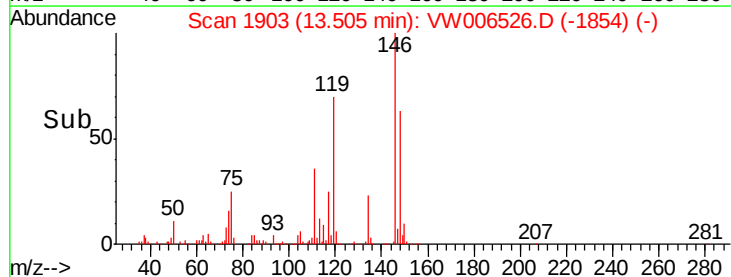
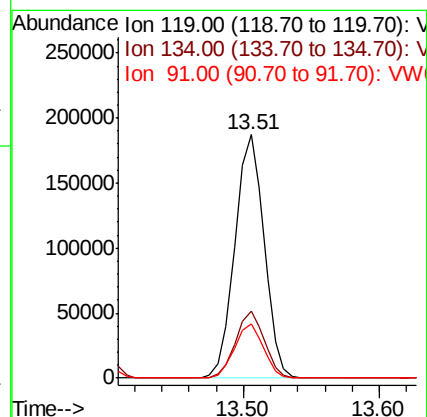
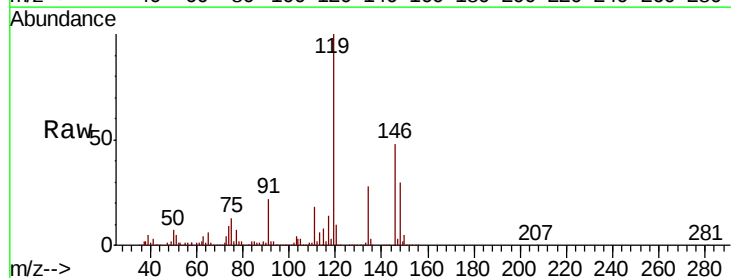
Tgt Ion:119 Resp: 279539

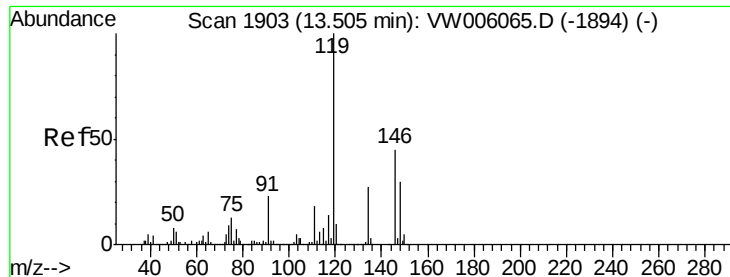
Ion Ratio Lower Upper

119 100

134 27.1 13.4 40.2

91 22.0 11.4 34.1





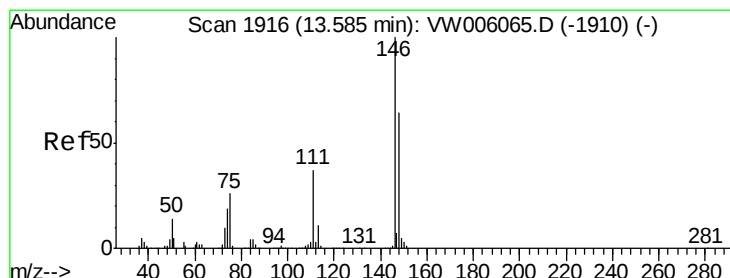
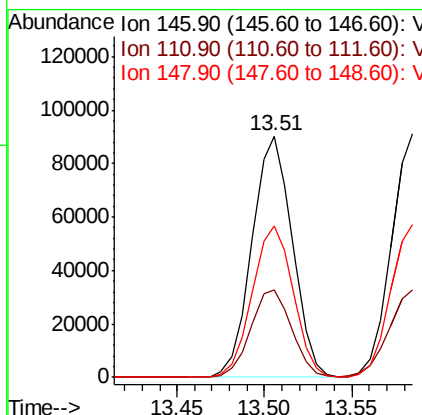
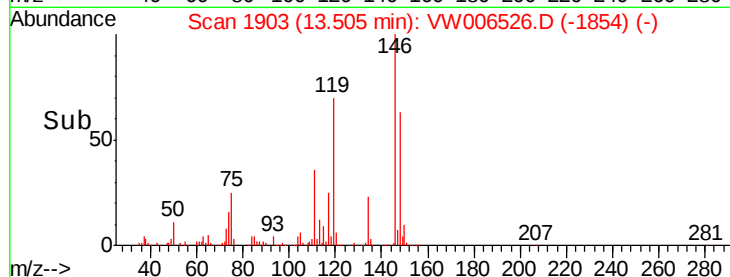
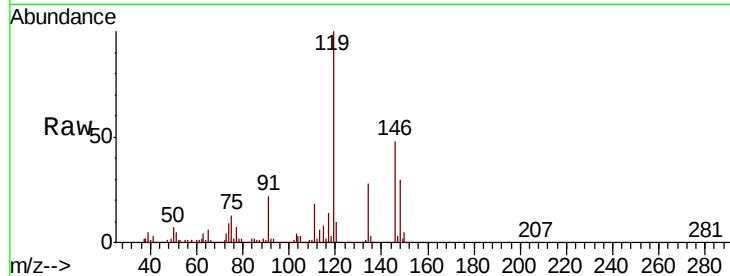
#87
 1,3-Dichlorobenzene
 Concen: 23.499 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW006526.D
 Acq: 31 Oct 2018 15:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1101SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.9	19.1	57.5
148	63.6	32.0	96.2

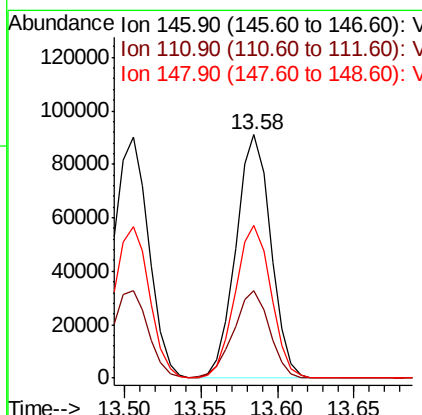
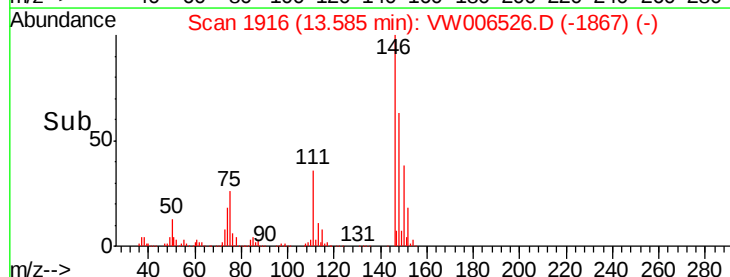
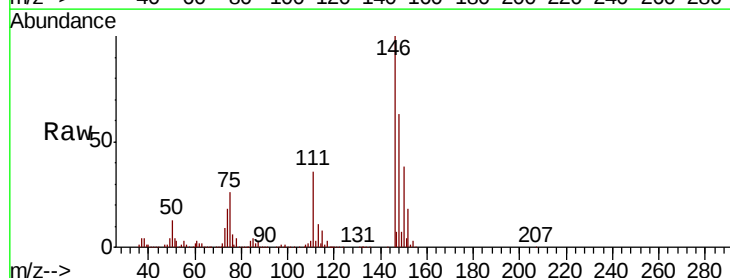
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#88
 1,4-Dichlorobenzene
 Concen: 23.590 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW006526.D
 Acq: 31 Oct 2018 15:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.7	18.6	56.0
148	64.2	32.1	96.5





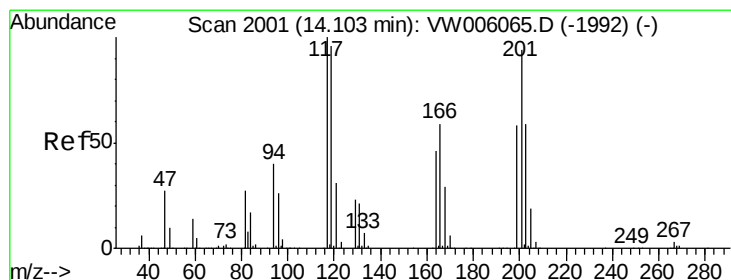
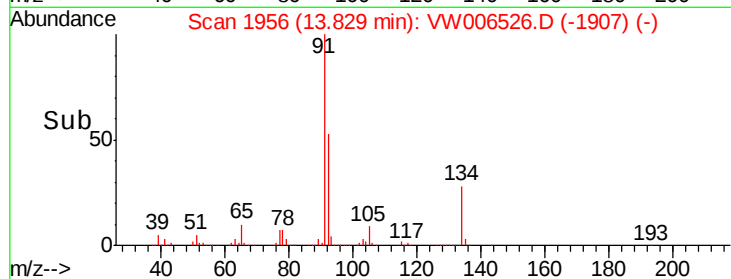
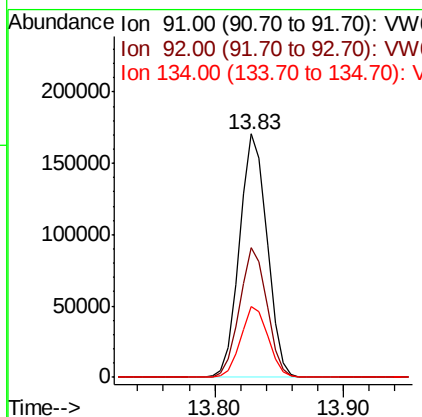
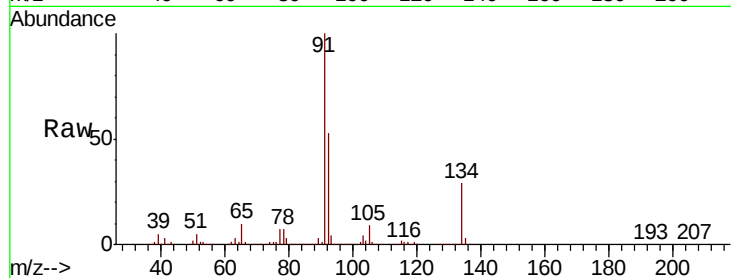
#89
n-Butylbenzene
Concen: 22.617 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW006526.D
Acq: 31 Oct 2018 15:18

Instrument :
MSVOA_W
ClientSampleId :
VW1101SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.6	79.7
134	28.9	14.0	41.9

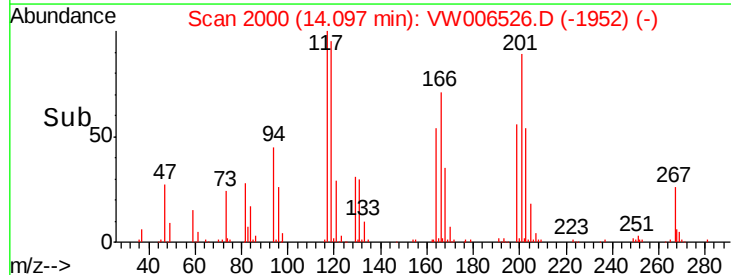
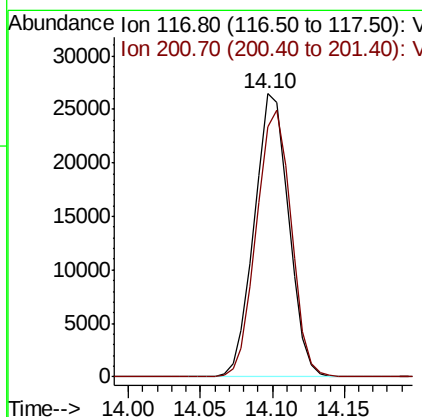
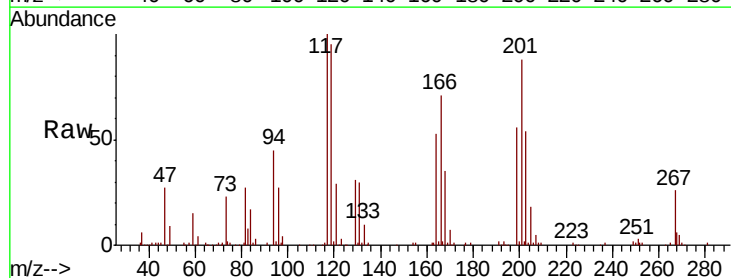
Manual Integrations
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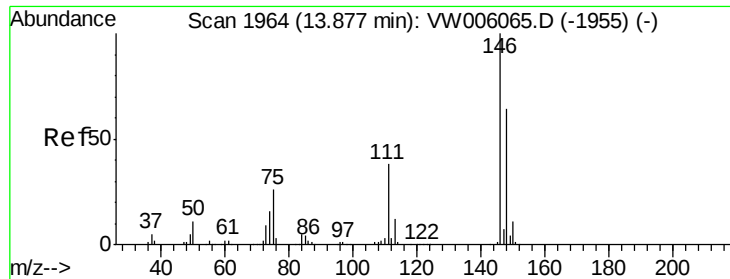
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#90
Hexachloroethane
Concen: 21.234 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.01 min
Lab File: VW006526.D
Acq: 31 Oct 2018 15:18

Tgt Ion	Ratio	Lower	Upper
117	100		
201	94.8	45.3	135.9





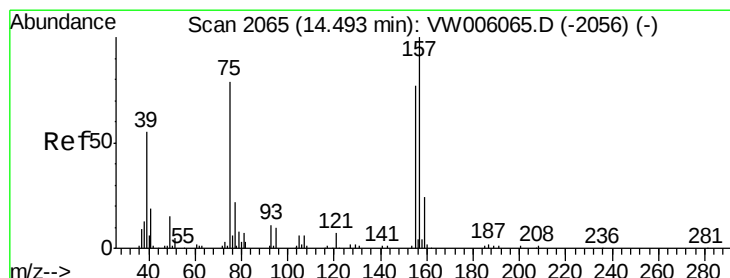
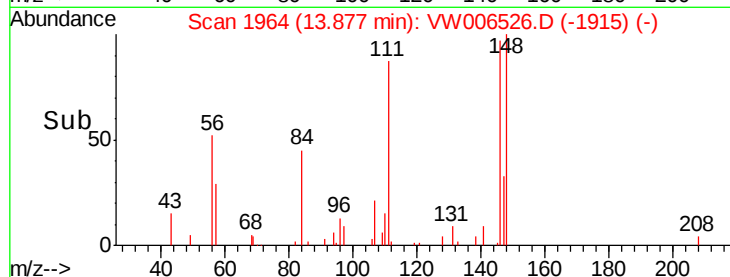
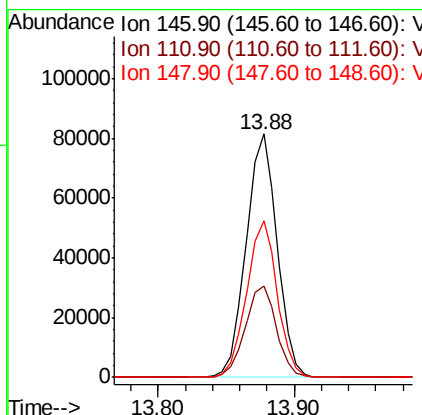
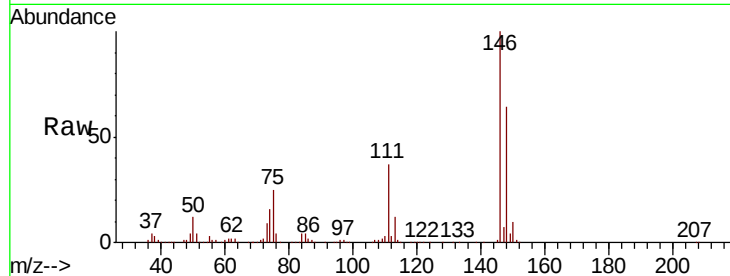
#91
 1,2-Dichlorobenzene
 Concen: 23.668 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.00 min
 Lab File: VW006526.D
 Acq: 31 Oct 2018 15:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1101SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	19.6	58.7
148	63.6	32.2	96.6

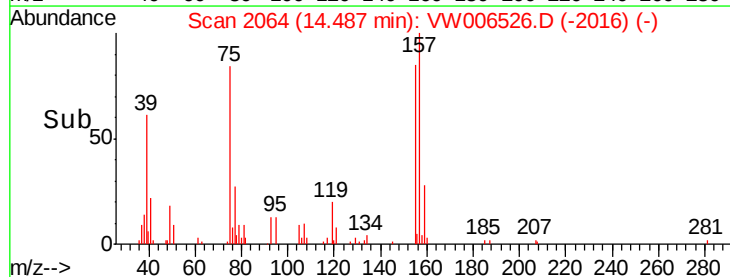
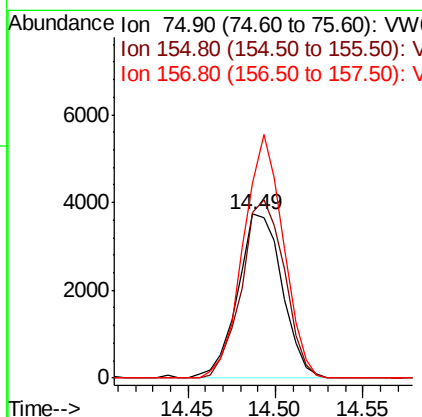
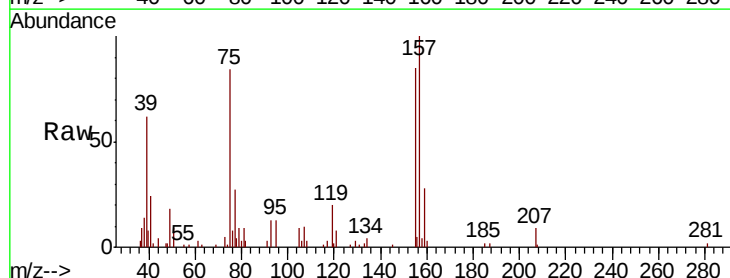
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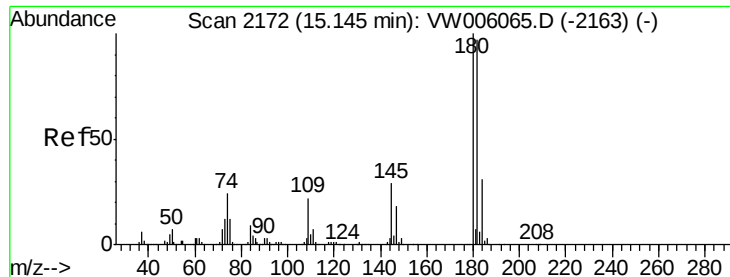
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.198 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.01 min
 Lab File: VW006526.D
 Acq: 31 Oct 2018 15:18

Tgt Ion	Ratio	Lower	Upper
75	100		
155	104.4	46.5	139.5
157	133.3	59.8	179.4





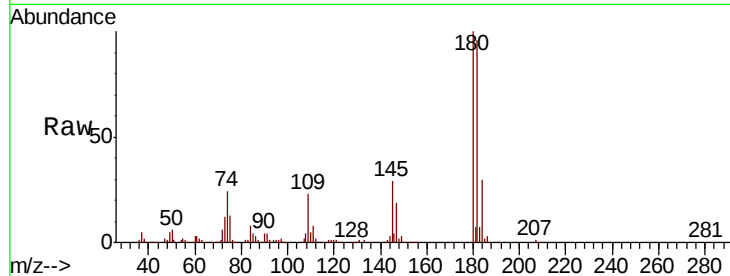
#93
 1,2,4-Trichlorobenzene
 Concen: 23.117 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.01 min
 Lab File: VW006526.D
 Acq: 31 Oct 2018 15:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1101SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	97668		
182	96.9	47.9	143.6	
145	28.7	14.2	42.8	

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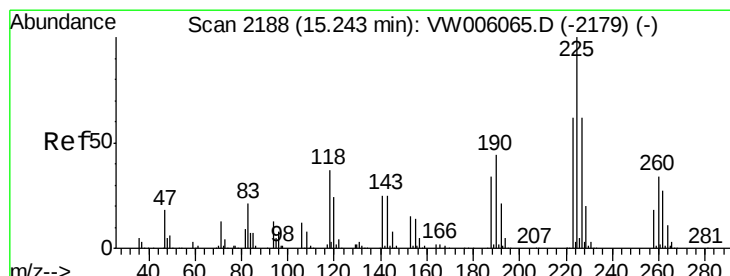
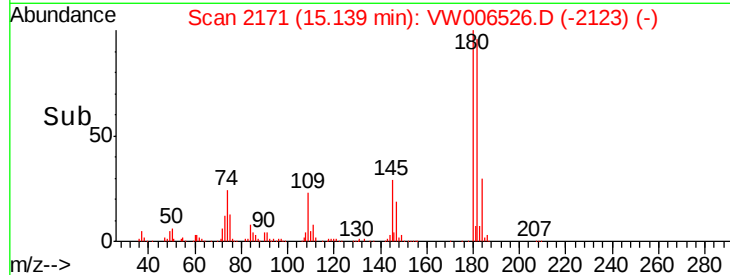
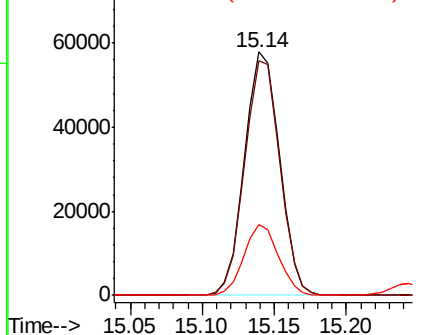


Abundance

Ion 179.80 (179.50 to 180.50): V

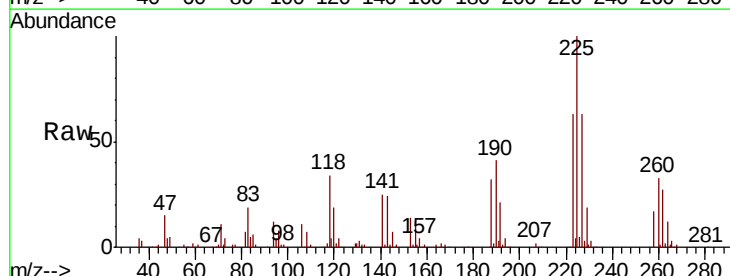
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 23.927 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW006526.D
 Acq: 31 Oct 2018 15:18

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	63504		
223	62.5	31.1	93.5	
227	64.7	32.4	97.0	

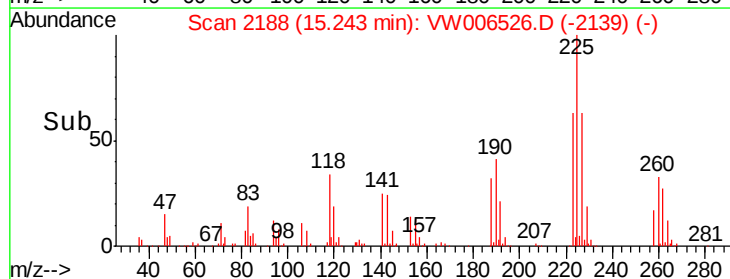
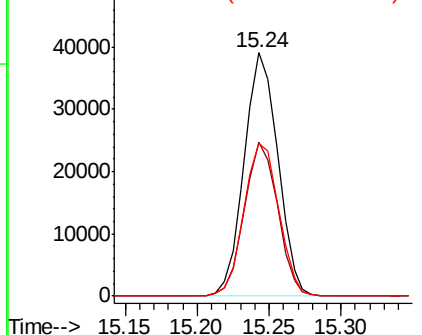


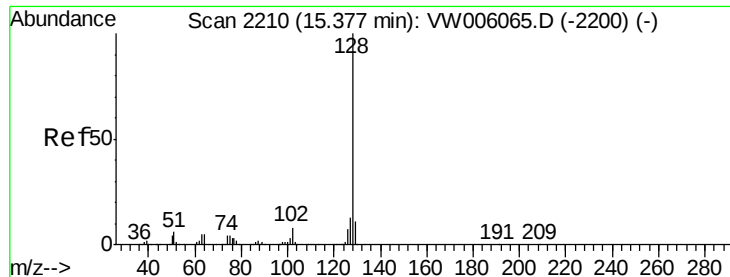
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 21.973 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.00 min

Lab File: VW006526.D

Acq: 31 Oct 2018 15:18

Instrument :

MSVOA_W

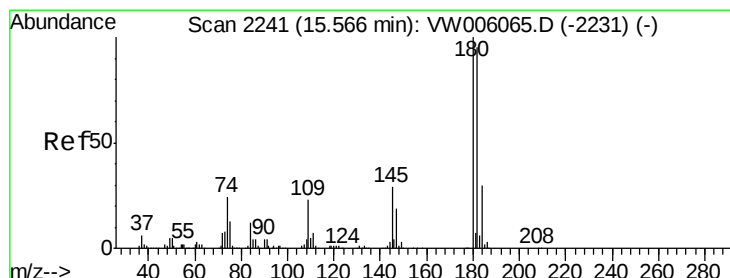
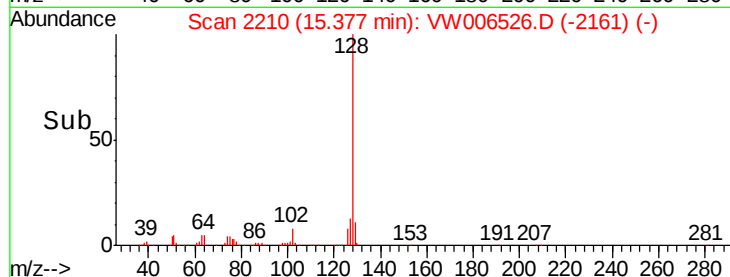
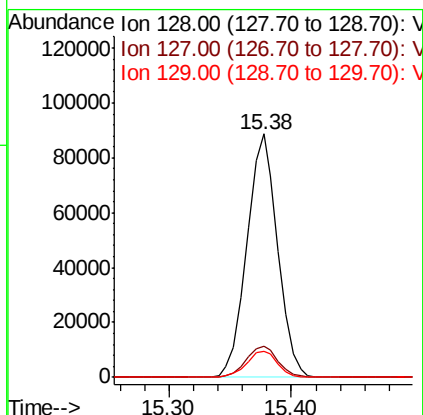
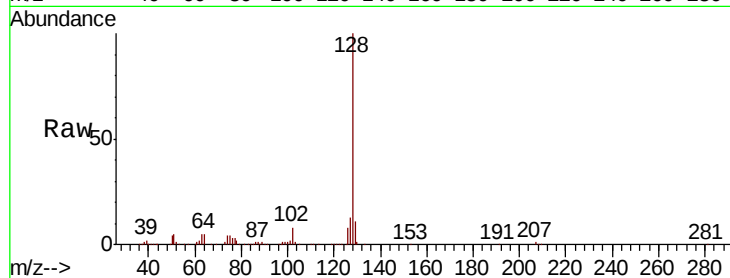
ClientSampleId :

VW1101SBSD01

Tot Ion:	128	Resp:	154431
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.3	15.5
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
11/1/2018 1:37:14 PM



#96

1,2,3-Trichlorobenzene

Concen: 23.356 ug/l

RT: 15.57 min Scan# 2241

Delta R.T. 0.00 min

Lab File: VW006526.D

Acq: 31 Oct 2018 15:18

Tgt Ion:	180	Resp:	85352
Ion Ratio	Lower	Upper	
180	100		
182	95.9	47.8	143.3
145	29.8	15.0	45.1

